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JC531 U.S. PTO

UTILITY PATENT APPLICATION TRANSMITTAL (New Nonprovisional Applications Under 37 CFR § 1.53(b))	Attorney Docket No. LEX-0032-USA
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TO THE ASSISTANT COMMISSIONER FOR PATENTS:

Transmitted herewith is the patent application of () application identifier or (X) first named inventor, Glenn Friedrich, entitled Novel Mutated Mammalian Cells and Animals, for a(n):

(X) Original Patent Application.

() Continuing Application (prior application not abandoned):

() Continuation () Divisional () Continuation-in-part (CIP)
 of prior Application No. _____, filed on _____.

(X) A statement claiming priority under 35 USC § 119 has been added to the specification.

Enclosed are:

(X) Specification; 18 Total Pages. (X) Drawing(s); 44 Total Sheets.

(X) Oath or Declaration:

() A Newly Executed Combined Declaration and Power of Attorney:

() Signed. (X) Unsigned. () Partially Signed.

() A Copy from a Prior Application for Continuation/Divisional (37 CFR § 1.63(d)).

() Incorporation by Reference. The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied, is considered as being part of the disclosure of the accompanying application and is hereby incorporated herein by reference.

() Signed Statement Deleting Inventor(s) Named in the Prior Application. (37 CFR § 163(d)(2)).

() Power of Attorney.

(X) Return Receipt Postcard.

() Associate Power of Attorney.

() A Check in the amount of \$_____ for the Filing Fee.

() Preliminary Amendment.

() Information Disclosure Statement and Form PTO-1449.

() A Certified Copy of Priority Documents (if foreign priority is claimed).

() Statement(s) of Status as a Small Entity.

() Statement(s) of Status as a Small Entity Filed in Prior Application, Status Still Proper and Desired.


(X) Other: Sequence Listing - 387 pages

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CLAIMS AS FILED				
FOR	NO. FILED	NO. EXTRA	RATE	FEE
Total Claims	7	0	\$18.00	\$0.00
Independent Claims	2	0	\$78.00	\$0.00
Multiple Dependent Claim Fee (if applicable)				\$0.00
Assignment Recording Fee (if applicable)				\$0.00
Basic Filing Fee				\$690.00
Total Filing Fee				\$690.00

Please charge \$ 690.00 to Deposit Account No. 50-0892 pursuant to 37 CFR § 1.25. At any time during the pendency of this application, the Commissioner is hereby authorized to charge any fees required or credit any overpayment to this Deposit Account. A duplicate copy of this sheet is enclosed for fee processing against this Deposit Account.

Respectfully submitted,

By: 
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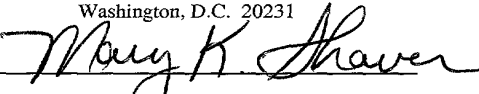
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NOVEL MUTATED MAMMALIAN CELLS AND ANIMALS

The present application claims priority to U.S. Application
5 Ser. No. 60/144,942, filed July 20, 1999, which is herein
incorporated by reference in its entirety. The present
application also incorporates U.S. Patent No. 6,080,576 and U.S.
Applications Ser. Nos. 08/726,867, 08/728,963, 08/907,598,
08/942,806, 60/109,302, and 09/276,533 and their respective
10 disclosures herein by reference in their entirety.

1.0. FIELD OF THE INVENTION

The present invention is in the field of molecular genetics.
The application discloses novel mutated cells that are generated
15 by process involving the insertion of at least a portion of a
genetically engineered viral vector into the chromosome. The
specifically disclosed recombinant vector allows for the rapid
identification of the gene that has been mutated by using
nucleotide or amino acid sequence information to identify the
20 gene that has been mutated by the vector. When mutated embryonic
stem cell clones are produced, such cells can be used to produce
mutant animals capable of germline transmission of the described
mutated genes.

25 2.0. BACKGROUND OF THE INVENTION

Most mammalian genes are divided into exons and introns.
Exons are the portions of the gene that are spliced into mRNA and
encode the protein product of a gene. In genomic DNA, these
coding exons are often divided by noncoding intron sequences.
30 Although RNA polymerase transcribes both intron and exon
sequences, the intron sequences must be removed from the
transcript so that the resulting mRNA can be translated into
protein. Accordingly, all mammalian, and most eukaryotic, cells
have the machinery to splice exons to produce mRNA. Gene trap
35 vectors have been designed to insert into the introns of genes in
a manner that allows the cellular splicing machinery to splice

vector encoded exons to cellular mRNAs. Commonly, gene trap
vectors contain selectable marker sequences that are preceded by
strong splice acceptor sequences and are not preceded by a
promoter. Thus, when such vectors integrate into a gene, the
5 cellular splicing machinery splices exons from the trapped gene
onto the 5' end of the selectable marker sequence. Typically,
such selectable marker genes can only be expressed if the vector
encoding the gene has integrated into an intron. The resulting
gene trap events are subsequently identified by selecting for
10 cells that can survive selective culture.

Gene trapping has generally proven to be an efficient method
of mutating large numbers of genes. The insertion of the gene
trap vector creates a mutation in the trapped gene, and also
provides a molecular tag for ease of identifying the gene that
15 has been trapped. When ROSA β geo was used to trap genes it was
demonstrated that at least 50% of the resulting mutations
resulted in a phenotype when examined in mice. This indicates
that the gene trap insertion vectors are useful mutagens.
Although a powerful tool for mutating genes, the potential of the
20 method has historically been limited by the difficulty in
identifying the trapped genes. Methods that have been used to
identify trap events rely on the fusion transcripts resulting
from the splicing of exon sequences from the trapped gene to
sequences encoded by the gene trap vector. Common gene
25 identification protocols used to obtain sequences from these
fusion transcripts include 5' RACE, cDNA cloning, and cloning of
genomic DNA surrounding the site of vector integration. However,
these methods have proven labor intensive, not readily amenable
to automation, and generally impractical for high-throughput.

30 More recently, vectors have been developed that rely on a
new strategy of gene trapping that uses a vector that contains a
selectable marker gene preceded by a promoter and followed by a
splice donor sequence instead of a polyadenylation sequence.
These vectors do not provide selection unless they integrate into

a gene and subsequently trap downstream exons which provide a polyadenylation sequence. Integration of such vectors into the chromosome results in the splicing of the selectable marker gene to 3' exons of the trapped gene. These vectors provide a number of advantages. They can be used to trap genes regardless of whether the genes are normally expressed in the cell type in which the vector has integrated. In addition, cells harboring such vectors can be screened using automated (e.g., 96-well plate format) gene identification assays such as 3' RACE (see generally, Frohman, 1994, PCR Methods and Applications, 4:S40-S58). Using these vectors it is possible to produce large numbers of mutations and rapidly identify the mutated, or trapped, gene by DNA sequence analysis.

15 **3.0. SUMMARY OF THE INVENTION**

The subject invention provides numerous isolated mammalian mutant cell clones that are each characterized by the insertion of a mutagenic genetically engineered polynucleotide sequence into a gene identifiable as corresponding to one or more of the OMNIBANK gene trapped sequences (GTSS) disclosed in Sequence Listing.

The subject invention further contemplates a mutated cell, and particularly a mutated ES cell, and the animals derived from such ES cell that stably maintain a genetically engineered mutation in a gene identifiable as corresponding to one of the disclosed GTSSs.

4.0. DESCRIPTION OF THE SEQUENCE LISTING AND FIGURES

The Sequence Listing is a compilation of nucleotide sequences obtained by sequencing clonal lines of gene trapped murine ES cells.

Figures 1A-1C present a diagrammatic representation of representative gene trap vectors used to generate the described sequences.

Figure 2 provides an index to the Sequence Listing and the corresponding database accession numbers for the genes that have been mutated according to the present invention.

5 **5.0. DETAILED DESCRIPTION OF THE INVENTION**

The current invention relates to novel mutated mammalian cells that are each characterized by the insertion of a recombinant (*i.e.*, genetically engineered) mutagenic polynucleotide sequence into a gene identifiable as corresponding to one of the GTSSs of SEQ ID NOS:1-1,848.

For the purposes of the present invention, the term "identifiable" is to be construed as indicating that a mammalian cell, and preferably, a murine ES cell, has been mutated by the insertion of a polynucleotide sequence of recombinantly manipulated origin at a genetic locus that normally comprises polynucleotide sequence, and/or post-spliced exonic sequence, that is at least partially described in one of the GTSSs of Sequence Listing. One method of determining whether one of the described mutated mammalian cells has a mutation in a gene of interest is by comparing the polynucleotide sequence (or a corresponding amino acid sequence) of the GTS identifying the mutated locus to the full length sequence of the gene.

Alternatively, such searches can be conducted by comparing the described GTS sequence to a well known database (such as, but not limited to GENBANK) using established computer algorithms including, but not limited to, BLASTX, FASTA, BLASTN, BLASTP, TBLASTN, and TBLASTX using the default parameters used, for example, at the National Center for Biotechnology Information web site (www.ncbi.nlm.nih.gov). The GTSSs reported in the Sequence Listing have been compared to such a database (GENBANK), and the accession numbers of the genes that have been mutated are presented in Figure 2. Accordingly, an additional aspect of the subject invention includes mutated mammalian, preferably murine, cells, or isolated cell lines, that have at least one engineered

mutation in a gene identified by GENBANK or GENESEQ (for example) accession number in Figure 2.

As used herein, the terms "mutated" or "mutation" mean that the genetic locus has been altered by a process involving the integration or incorporation of a genetically engineered polynucleotide sequence into the genome of the cell with the result that the subsequent levels of activity of the product normally encoded by the locus is altered (*i.e.*, reduced, increased, or substantially ablated). In those instances where the mutation substantially completely disrupts the expression or activity of the product normally encoded by the locus (*i.e.*, a null mutation), a cell that is heterozygous for the mutated allele will typically produce about one half of the product of a nonmutated cell (via a gene dosage effect), and about twice the amount of product produced by a cell that is homozygous for the mutant allele.

The term "recombinantly manipulated" shall mean that such compositions comprising such molecules or polynucleotides have been genetically engineered using molecular biology methodologies *in vitro* or *ex vivo* (see generally, Sambrook *et al.*, 1989, Molecular Cloning, A Laboratory Manual, Cold Springs Harbor Press, N.Y.; and Ausubel *et al.*, 1989, Current Protocols in Molecular Biology, Green Publishing Associates and Wiley Interscience, N.Y.).

Where, the specifically exemplified mammalian cells, *i.e.*, embryonic stem cells (Lex-1 cells from murine strain A129), are mutated by a process involving the insertion of at least a portion of a genetically engineered vector sequence into the gene of interest, the mutated embryonic stem cells can be microinjected into blastocysts which are subsequently introduced into pseudopregnant female hosts and carried to term using established methods such as those described in, for example, "Mouse Mutagenesis", 1998, Zambrowicz *et al.*, eds., Lexicon Press, The Woodlands, TX, and periodic updates thereof, herein

incorporated by reference. The resulting chimeric animals are subsequently bred to produce offspring capable of germline transmission of an allele containing the engineered mutation in the gene of interest.

5 An alternative method of producing mutated cells and animals in the specifically exemplified genes involves the process of gene targeting by homologous recombination using methods such as those exemplified in U.S. Application Ser. No. 09/171,642, which is herein incorporated by reference in its entirety. Mutations
10 produced using such methods include, but are not limited to knockout mutations, "knockin" mutations (where a human gene, for example, is used to replace its murine orthologs), can be conditional, can include point mutations, and mutations that activate gene expression. Some of the mutations described above
15 (conditional mutations, point mutations, etc.) can be produced via processes that involve the substantial removal of vector encoded sequences (often recombines mediated) subsequent to the incorporation of the recombinantly manipulated sequences into the genome.

20

5.1. MUTATED MAMMALIAN CELLS OF THE PRESENT INVENTION

The presently described mutated cells have genetically engineered mutations in genes identifiable as corresponding to, or normally comprising, at least a portion of a sequence reported in the
25 Sequence Listing as SEQ ID NOS:1-1,848. Additional embodiments of the present invention are cells comprising engineered mutations in homologs, paralogs, orthologs, etc., of the mutated genes disclosed in the Sequence Listing. Such homologs, paralogs, and orthologs include genes having sequences that
30 hybridize to one or more of the disclosed GTSS of SEQ ID NOS:1-1,848 under stringent, or preferably highly stringent, conditions. Hybridization conditions also provide an alternative means of identifying the mutated genes corresponding to the GTSS reported in the sequence listing. Typically, such genes will

identifiable because a disclosed GTS, or portion thereof, shall hybridize to the gene under stringent conditions.

By way of example and not limitation, high stringency hybridization conditions can be defined as follows:

- 5 Prehybridization of filters containing DNA to be screened is carried out for 8 h to overnight at 65°C in a buffer containing 6X SSC, 50mM Tris-HCl (pH 7.5), 1mM EDTA, 0.02% PVP, 0.02% Ficoll, 0.02% BSA, and 500 µg/ml denatured salmon sperm DNA. Filters are hybridized for 48 h at 65°C in prehybridization
- 10 mixture containing 100µg/ml denatured salmon sperm DNA and 5-20 x 10⁶ cpm of ³²P-labeled probe (alternatively, as in all hybridizations described herein, approximately 42, 44, 46, 48, 50, 52, 54, 56, 58, 62, 64, 66, 68, 70, or about 72 degrees or more can be used). The filters are then washed in approximately
- 15 1X wash mix (10X wash mix contains 3M NaCl, 0.6M Tris base, and 0.02M EDTA, alternatively, as with all washes described herein, 2X, 3X, 4X, 5X, 6X wash mix, or more, can be used) twice for 5 minutes each at room temperature, then in 1X wash mix containing 1% SDS at 60°C (alternatively, as in all washes described herein,
- 20 approximately 42, 44, 46, 48, 50, 52, 54, 56, 58, 62, 64, 66, 68, 70, or about 72 degrees or more can be used) for about 30 min, and finally in 0.3X wash mix (alternatively, as in all final washes described herein, approximately, 0.2X, 0.4X, 0.6X, 0.8X, 1X, or any concentration between about 2X and about 6X can be
- 25 used in conjunction with a suitable wash temperature) containing 0.1% SDS at 60°C (alternatively, approximately 42, 44, 46, 48, 50, 52, 54, 56, 58, 62, 64, 66, 68, 70, or about 72 degrees or more can be used) for about 30 min. The filters are then air dried and exposed to x-ray film for autoradiography. In an
- 30 alternative protocol, washing of filters is done for 37°C for 1 h in a solution containing 2X SSC, 0.01% PVP, 0.01% Ficoll, and 0.01% BSA. This is followed by a wash in 0.1X SSC at 50°C for 45 min before autoradiography. Another example of hybridization under highly stringent conditions is hybridization to filter-

bound DNA in 0.5 M NaHPO₄, 7% sodium dodecyl sulfate (SDS), 1 mM EDTA at 65°C, and washing in 0.1xSSC/0.1% SDS at 68°C (Ausubel F.M. et al., eds., 1989, Current Protocols in Molecular Biology, Vol. I, Green Publishing Associates, Inc., and John Wiley & sons, Inc., New York, at p. 2.10.3).

Alternatively, moderately stringent conditions can be used (e.g., washing in 0.2xSSC/0.1% SDS at 42° C (Ausubel et al., 1989, supra). Moderately stringent conditions can be additionally defined, for example, as follows: Filters containing DNA are pretreated for 6 h at 55°C in a solution containing 6X SSC, 5X Denhart's solution, 0.5% SDS and 100 µg/ml denatured salmon sperm DNA. Hybridizations are carried out in the same solution and 5-20 x 10⁶ cpm ³²P-labeled probe is used. Filters are incubated in hybridization mixture for 18-20 h at 55°C (alternatively, as in all hybridizations described herein, approximately 42, 44, 46, 48, 50, 52, 54, 56, 58, 62, 64, 66, 68, 70, or about 72 degrees or more can be used in combination with a suitable concentration of salt). The filters are then washed in approximately 1X wash mix (10X wash mix contains 3M NaCl, 0.6M Tris base, and 0.02M EDTA, alternatively, as with all washes described herein, 2X, 3X, 4X, 5X, 6X wash mix, or more, can be used) twice for 5 minutes each at room temperature, then in 1X wash mix containing 1% SDS at 60°C (alternatively, as in all washes described herein, approximately, 42, 44, 46, 48, 50, 52, 54, 56, 58, 62, 64, 66, 68, 70, or about 72 degrees or more can be used) for about 30 min, and finally in 0.3X wash mix (alternatively, as in all final washes described herein approximately 0.2X, 0.4X, 0.6X, 0.8X, 1X, or any concentration between about 2X and about 6X can be used in conjunction with a suitable wash temperature) containing 0.1% SDS at 60°C (alternatively, approximately 42, 44, 45, 48, 50, 52, 54, 56, 58, 62, 64, 66, 68, 70, or about 72 degrees or more can be used) for about 30 min. The filters are then air dried and exposed to x-ray film for autoradiography.

In an alternative protocol, washing of filters is done twice for 30 minutes at 60°C in a solution containing 1X SSC and 0.1% SDS. Filters are blotted dry and exposed for autoradiography.

Other conditions of moderate stringency which may be used are well-known in the art. For example, washing of filters can be done at 37°C for 1 h in a solution containing 2X SSC, 0.1% SDS. Another example of hybridization under moderately stringent conditions is washing in 0.2xSSC/0.1% SDS at 42°C (Ausubel et al., 1989, *supra*). Such less stringent conditions may also be, for example, low stringency hybridization conditions. By way of example and not limitation, procedures using such conditions of low stringency are as follows (see also Shilo and Weinberg, 1981, Proc. Natl. Acad. Sci. USA 78:6789-6792): Filters containing DNA are pretreated for 6 h at 40°C in a solution containing 35% formamide, 5X SSC, 50mM Tris-HCl (pH 7.5), 5mM EDTA, 0.1% PVP, 0.1% Ficoll, 1% BSA, and 500 µg/ml denatured salmon sperm DNA. Hybridizations are carried out in the same solution with the following modifications: 0.02% PVP, 0.02% Ficoll, 0.2% BSA, 100µg/ml salmon sperm DNA, 10% (wt/vol) dextran sulfate, and 5-20 X 10⁶ cpm ³²P-labeled probe is used. Filters are incubated in hybridization mixture for 18-20 h at 40°C (alternatively, as in all hybridizations described herein, approximately 42, 44, 46, 48, 50, 52, 54, 56, 58, 62, 64, 66, 68, 70, or about 72 degrees or more can be used). The filters are then washed in approximately 1X wash mix (10x wash mix contains 3M NaCl, 0.6M Tris base, and 0.02M EDTA, alternatively, as with all washes described herein, 2X, 3X, 4X, 5X, 6X wash mix, or more, can be used) twice for five minutes each at room temperature, then in 1X wash mix containing 1% SDS at 60°C (alternatively, as in all washes described herein, approximately 42, 44, 46, 48, 50, 52, 54, 56, 58, 62, 64, 66, 68, 70, or about 72 degrees or more can be used) for about 30 min, and finally in 0.3X wash mix (alternatively, as in all final washes described herein, approximately, 0.2X, 0.4X, 0.6X, 0.8X, 1X, or any concentration

between about 2X and about 6X can be used in conjunction with a suitable wash temperature) containing 0.1% SDS at 60°C (alternatively, approximately 42, 44, 46, 48, 50, 52, 54, 56, 58, 62, 64, 66, 68, 70, or about 72 degrees or more can be used) for about 30 min. The filters are then air dried and exposed to x-ray film for autoradiography. In yet another alternative protocol, washing of filters is done for 1.5 h at 55°C in a solution containing 2X SSC, 25mM Tris-HCl (pH 7.4), 5mM EDTA, and 0.1% SDS. The wash solution is replaced with fresh solution and incubated an additional 1.5 h at 60°C. Filters are then blotted dry and exposed for autoradiography. If necessary, filters are washed for a third time at 65-68°C and reexposed to film. Other conditions of low stringency which may be used are well known in the art (e.g., as employed for cross-species hybridizations). Preferably, GTS variants identified or isolated using the above methods will also encode a functionally equivalent gene product (i.e., protein, polypeptide, or domain thereof, encoding or otherwise associated with a function or structure at least partially encoded by the complementary GTS).

Low stringency conditions are well known to those of skill in the art, and will vary predictably depending on the specific organisms from which the library and the labeled sequences are derived. For guidance regarding such conditions see, for example, Sambrook *et al.*, 1989, *Molecular Cloning, A Laboratory Manual*, Cold Springs Harbor Press, N.Y.; and Ausubel *et al.*, 1989, *Current Protocols in Molecular Biology*, Green Publishing Associates and Wiley Interscience, N.Y.

The identification of homologs, heterologs, or paralogs of SEQ ID NOS:1-1,848 in other, preferably related, species can be useful for developing additional animal model systems that are closely related to humans for purposes of drug discovery. Genes at other genetic loci within the genome that encode proteins which have extensive homology to one or more domains of the gene products encoded by SEQ ID NOS:1-1,848 can also be identified via

similar techniques. In the case of cDNA libraries, such screening techniques can identify clones derived from alternatively spliced transcripts in the same or different species.

5 Techniques useful to disrupt a gene in a cell and especially an ES cell that may already have a disrupted gene are disclosed in copending US patent applications Nos. 08/726,867; 08/728,963; 08/907,598; and 08/942,806, all of which are hereby incorporated herein by reference in their entirety, are within the scope of
10 the current invention to disrupt a gene that encodes a polynucleotide of the current invention.

5.2. USES OF THE DESCRIBED MUTATED GENES AND ANIMALS

The described mutated cells and animals are used to
15 investigate and define the cellular and biological functions of the mutated genes. Producing a scientific model that accurately accounts for the large number of genes, proteins, and macromolecules within a single cell has thus far proved beyond the capabilities of existing computer technology. It should thus
20 not be surprising that the far more complex task of modeling the various intricacies, cross and direct redundancies, and interrelated functions of the various metabolic and catabolic processes that occur within a single cell has also proven largely intractable to algorithmic methods of modeling and prediction.
25 Even if one assumes that computer modeling of inherently chaotic/heuristic processes will rapidly mature in the near future, such methods, at best, can only provide predictions that subsequently require practical validation. Several decades of empirical data have proven that mutant phenotypes provide a
30 valuable source of such validation.

The mutated diploid mammalian cells of the present invention will initially exist as mutated diploid cells that are heterozygous (except where genes on the X or Y chromosomes are mutated) for the mutations identified in the sequence listing.

As such, via a "gene dosage" effect, the mutated cells can typically be characterized by the fact that they produce about one half of the mutated transcript/activity relative to cells having two nonmutated or wild type copies of the corresponding gene.

When mutant animals are produced from the mutated cells, heterozygous animals capable of germline transmission of the mutated allele can be bred to produce embryos or offspring that are homozygous for the mutant allele. Such animals or embryos are a rich source of tissues and cells that do not express physiologically relevant amounts of the mutated genes or activities encoded thereby. Accordingly, an additional embodiment of the present invention are mutant cells and animals that have homozygous mutations in genes identifiable as corresponding to the GENBANK, or other database accession, numbers provided in Figure 2, or are identifiable as a homologs, paralog, or orthologs of a sequence provided in the Sequence Listing.

In addition to providing important information regarding the functional role of a given gene in its nonmutated state (*i.e.*, you learn about the function of the gene by discerning the effects of reducing or ablating the activity normally encoded by the gene), the described mutated cells and animals can be used as disease models, or in assays for compounds or genes (via gene delivery or transgenic methods) that compensate for the mutant phenotype and that can be used to treat diseases and disorders related to the observed phenotype. Alternatively, such products and genes can also be used to enhance desirable, if not normal, symptoms related to the observed phenotypes.

The gene replacement/delivery therapies described above should be capable of delivering gene sequences to the cell types within patients which express the peptide or protein having the desired activity.

The examples below are provided to illustrate the subject invention. These examples are provided by way of illustration and are not included for the purpose of limiting the invention in any way whatsoever.

5

6.0. EXAMPLES

6.1. GENERATION OF A LIBRARY OF MUTATED MOUSE ES CELLS DEFINED BY OST SEQUENCES

10 The retroviral vector VICTR 3, described in detail in U.S. application Ser. No. 08/728,963, filed October 11, 1996, was used to generate a library of gene trapped ES cell clones that represent a portion of the described OSTs. A plasmid containing the VICTR 3 cassette was constructed by conventional cloning
15 techniques and designed to employ the features described above. Namely, the cassette contained a *PGK* promoter directing transcription of an exon that encodes the *puro* marker and ends in a canonical splice donor sequence. At the end of the puromycin exon, sequences were added as described that allow for the
20 annealing of two nested PCR and sequencing primers. The vector backbone was based on pBluescript KS+ from Stratagene Corporation.

The plasmid construct was linearized by digestion with *Sca* I which cuts at a unique site in the plasmid backbone. The plasmid
25 was then transfected into the mouse ES cell line AB2.2 by electroporation using a BioRad Genepulser apparatus. After the cells were allowed to recover, gene trap clones were selected by adding puromycin to the medium at a final concentration of 3 $\mu\text{g/ml}$. Positive clones were allowed to grow under selection for
30 approximately 10 days before being removed and cultured separately for storage and to determine the sequence of the disrupted gene.

Total RNA was isolated from an aliquot of cells from each of 18 gene trap clones chosen for study. Five micrograms of this
35 RNA was used in a first strand cDNA synthesis reaction using the

"RS" primer. This primer has unique sequences (for subsequent PCR) on its 5' end and nine random nucleotides or nine T (thymidine) residues on its 3' end. Reaction products from the first strand synthesis were added directly to a PCR with outer primers specific for the engineered sequences of puromycin and the "RS" primer. After amplification, an aliquot of reaction products were subject to a second round of amplification using primers internal, or nested, relative to the first set of PCR primers. This second amplification provided more reaction product for sequencing and also provided increased specificity for the specifically gene trapped DNA.

The products of the nested PCR were visualized by agarose gel electrophoresis, and seventeen of the eighteen clones provided at least one band that was visible on the gel with ethidium bromide staining. Most gave only a single band which is an advantage in that a single band is generally easier to sequence. The PCR products were sequenced directly after excess PCR primers and nucleotides were removed by filtration in a spin column (Centricon-100, Amicon). DNA was added directly to dye terminator sequencing reactions (purchased from ABI) using the standard M13 forward primer a region for which was built into the end of the *puro* exon in all of the PCR fragments.

Subsequent studies have used both VICTR 3 and VICTR 20. Like VICTR 3, VICTR 20 is exemplary of a family of vectors that incorporate two main functional units: a sequence acquisition component having a strong promoter element (phosphoglycerate kinase 1) active in ES cells that is fused to the puromycin resistance gene (or other exon sequence) that is followed by a synthetic consensus splice donor (SD) sequence and lacks an operatively positioned polyadenylation sequence downstream from the SD sequence (PGKpuroSD); and 2) a mutagenic component that incorporates a splice acceptor sequence fused to a selectable and/or colorimetric marker gene and followed by a polyadenylation

sequence (for example, SA β geopA, SAnepA, SAIRESnepA, or SAIRE β geopA).

Also like VICTR 3, stop codons have been engineered into all three reading frames in the region between the 3' end of the
5 selectable marker and the splice donor site. A diagrammatic description of structure and functions of VICTRs 3 and 20 is provided in Figure 1.

When VICTRs 3, 20, and various variations thereof such as the vectors and methods described in U.S. Applications Ser. Nos.
10 09/276,533, and 60/095,989 (the disclosures of which are herein incorporated by reference), were used in the commercial scale application of the presently disclosed invention, many mutagenized ES cell clones were rapidly engineered and obtained. Sequence analysis obtained from these clones has identified a
15 wide variety of sequences. Each of the sequences presented in SEQ ID NOS:1-1,848 identify novel mutations in the coding regions of mammalian genes that identifiable as corresponding to the sequences presented in the Sequence Listing. Alternatively, the described mutated cells are described by the database (GENBANK,
20 GENSEQ, etc.) accession numbers for the corresponding genes that have been mutated (see Figure 2). The described mutated cells, and preferably ES cells, provide a valuable resource for defining, evaluating, or validating the biological function or disease/pharmaceutical relevance of each of these genes.

25 The cloned 3' RACE products resulting after the target ES cells were infected with one of the described gene trap vectors were purified using conventional column chromatography, (e.g., S300 and G-50 columns), and the products were recovered by centrifugation. Purified PCR products were quantified by
30 fluorescence using PicoGreen (Molecular Probes, Inc., Eugene Oregon) as per the manufacturer's instructions.

Dye terminator cycle sequencing reactions with AmpliTaq® FS DNA polymerase (Perkin Elmer Applied Biosystems, Foster City, CA) were carried out using approximately 7 pmoles of sequencing

primer, and approximately 30-120 ng of 3' template.

Unincorporated dye terminators were removed from the completed sequencing reactions using G-50 columns as described above. The reactions were dried under vacuum, resuspended in loading buffer, and electrophoresed through a 6% Long Ranger acrylamide gel (FMC BioProducts, Rockland, ME) on an ABI Prism® 377 with XL upgrade as per the manufacturer's instructions. The sequences of the resulting amplicons, or OSTs, are described in SEQ ID NOS:1-1,848.

- 10 All publications and patents mentioned in the above specification are herein incorporated by reference. Various modifications and variations of the described method and system of the invention will be apparent to those skilled in the art without departing from the scope and spirit of the invention.
- 15 Although the invention has been described in connection with specific preferred embodiments, it should be understood that the invention as claimed should not be unduly limited to such specific embodiments. Indeed, various modifications of the above-described modes for carrying out the invention which are
- 20 obvious to those skilled in the field of molecular biology or related fields are intended to be within the scope of the following claims.

CLAIMS

WHAT IS CLAIMED IS:

1. A genetically engineered mammalian cell that has been
5 mutated by a process comprising the insertion of a recombinantly
manipulated polynucleotide sequence into a gene in said
genetically engineered mammalian cell wherein said gene is
identifiable as corresponding to at least one of SEQ ID NOS:1-
1,848.

10

2. The genetically engineered mammalian cell of Claim 1,
wherein said cell is murine.

3. A cell according to Claim 3, wherein said cell is an
15 embryonic stem cell.

4. The genetically engineered mammalian cell of Claim 1,
wherein said polynucleotide sequence is present on a viral
vector.

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5. A cell according to Claim 4, wherein said viral vector
is a retroviral vector.

6. A cell according to Claim 4, wherein said viral vector
25 additionally comprises regions of targeting DNA that facilitate
gene targeting by homologous recombination.

7. An isolated murine embryonic stem cell line comprising
an engineered retroviral gene trap vector in at least one gene
30 comprising a polynucleotide sequence first disclosed in one of
SEQ ID NOS:1-1,848.

ABSTRACT

Novel mutated mammalian cells are provided that have been characterized by identifying the sequence of the genes that have been mutated. Preferably, novel mutated cells are murine ES
5 cells that stably incorporate retroviral gene trap constructs in the specifically identified genes. The novel mutated cells and animals are useful in functional genomic analysis, and in the discovery and development of new therapeutic and diagnostics agents and methods.

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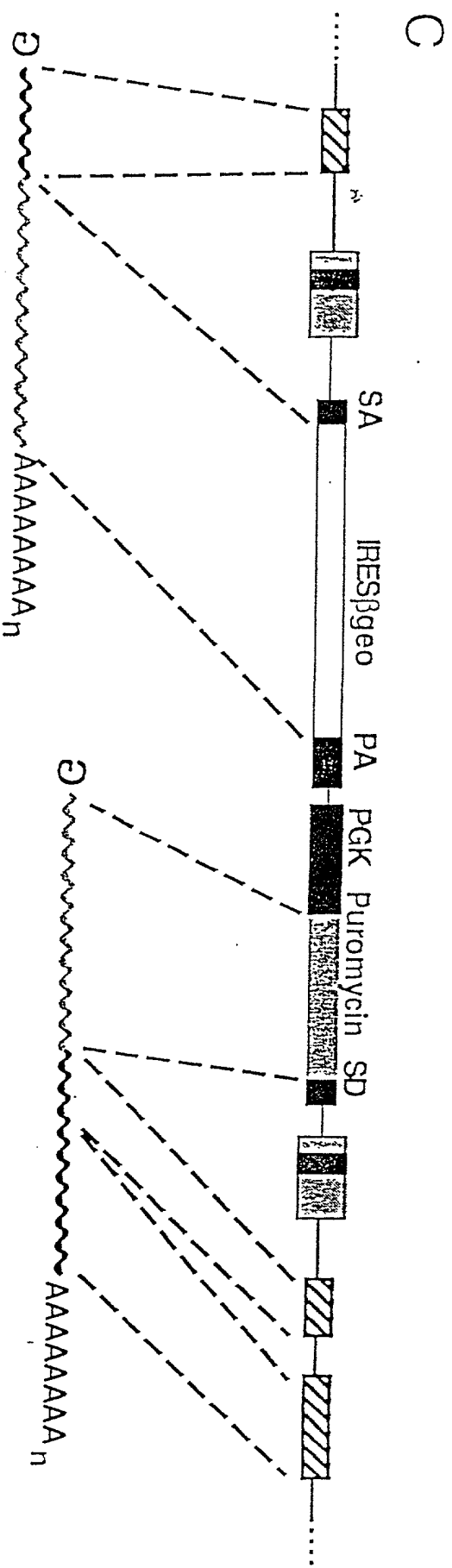
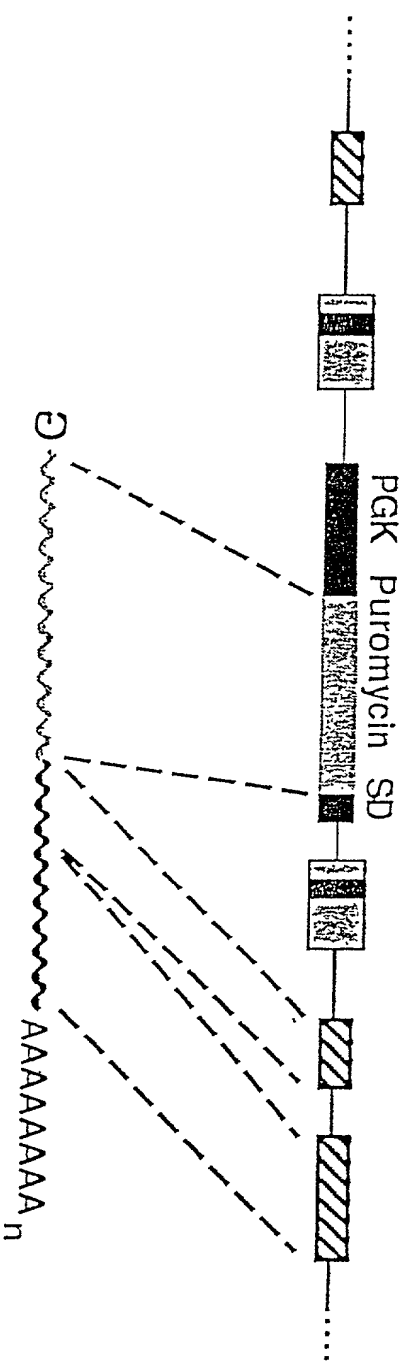
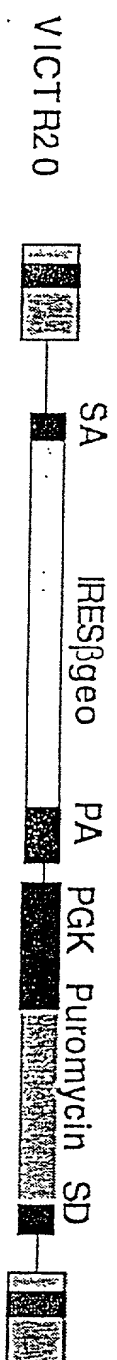
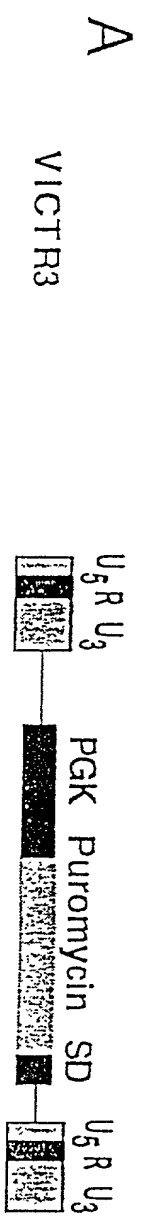


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PATENT APPLICATION

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

ATTORNEY DOCKET NO. LEX-0032-USA

As a below named inventor, I hereby declare that:

My residence/post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Novel Mutated Mammalian Cells and Animals

the specification of which is attached hereto unless the following box is checked:

☐ was filed on _____ as US Application Serial No. or PCT International Application
Number _____ and was amended on _____ (if applicable).

I hereby state that I have reviewed and understood the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above. I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR 1.56.

Foreign Application(s) and/or Claim of Foreign Priority

I hereby claim foreign priority benefits under Title 35, United States Code Section 119 of any foreign application(s) for patent or inventor(s) certificate listed below and have also identified below any foreign application for patent or inventor(s) certificate having a filing date before that of the application on which priority is claimed:

COUNTRY	APPLICATION NUMBER	DATE FILED	PRIORITY CLAIMED UNDER 35 U.S.C. 119
			YES NO
			YES NO

Provisional Application

I hereby claim the benefit under Title 35, United States Code Section 119(e) of any United States provisional application(s) listed below:

APPLICATION SERIAL NUMBER	FILING DATE
60/144,942	07/20/99

U.S. Priority Claim

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

APPLICATION SERIAL NUMBER	FILING DATE	STATUS(patented/pending/abandoned)

POWER OF ATTORNEY:

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) listed below to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

Lance K. Ishimoto, Reg. No. 41866

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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Residence: Houston, Texas

Post Office Address: Same

Inventor's Signature

Date

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Post Office Address: Same

Inventor's Signature

Date

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Residence: 163 Bristol Bend Circle, The Woodlands, TX 77382

Post Office Address: Same

Inventor's Signature

Date

SEQUENCE LISTING

<110> Friedrich, Glenn
Zambrowicz, Brian
Sands, Arthur T.

<120> Novel Mutated Mammalian Cells and Animals

<130> LEX-0032-USA

<150> 60/144,942

<151> 1999-07-20

<160> 1848

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cggtttagtcc aggcgtcggg ccgcacgcac gggcatggac ggcagactgc ccagtgggcg 300
aagacagtcc gggctgagtg caagagggtc ctgacctgaa cagttccac tcccctagct 360
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tcacttagac tcaagacaat ttagctaaga agnggtattt aaatccaaac tgtcccgnct 540
accttaaaat tataagccct tgcttccgtt aaagaatgag tacttttaaa agcttggtag 600
ccaacaagta gtcaataaac caaggacagt gtgttggg 638

<210> 36
<211> 257
<212> DNA
<213> Mus musculus

<400> 36
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gagaacaacc acagaatgtt ccagccctaa gtcagcgcca gatgtcctga ccacaccctg 120
atgccaccaa gttctgtctt ccttgtgtag ctgccccaan aaaaatttcc actgccccac 180
ccctcctgct gagaagtact tctccttttg cttgtgcatt taagccttga gcttgcctga 240
atacagtga accttga 257

<210> 37
<211> 252
<212> DNA
<213> Mus musculus

<400> 37
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ttcgatcacc anggcctgta cttcnatgan tggatnactc tgtcccagan atacgtcaaa 120
cttaccatcn taccagccn agagggagga tgctggggag taccaatncg angctctctn 180
cggctacagc ttctannatn aatcncccg cccaaatgtc ngtcactagt gagtgcctg 240
gcctctctct tc 252

<210> 38
<211> 172
<212> DNA
<213> Mus musculus

<400> 38
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ccnaaaaaag tgaaagaaaa tgaagtcaga taagaatgag aatctganac aagaggcaga 120
cnattgagac cacagggtttt accccccgaa acatgaaaag taatccaaat cc 172

<210> 39
<211> 176
<212> DNA
<213> Mus musculus

<400> 39
aagcggcgac tgctnnnca gatgtctgaa tggaccagga aagatgtgat ctctctatac 60
gccaagaaat tctaggaaca tcagtttcaa gtcttcagaa gctattctgg ggaagaccag 120
tggaccaat gcatgtggca aactccaaaa aaagacgtga aacaaaataa ataaaa 176

<210> 40
<211> 253
<212> DNA
<213> Mus musculus

<400> 40
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ccnancnttc gtttnttggg gctaaancct cttctaaaca tccanntgca ctctaaaaaa 120
anatnccccct ggtatngnct cgtcttctc tttctttct gaccccgacg gtggttgctg 180
tnttnncgt ggatgcngg ggtattngga tttnccngc atctctcaac ttcggttgga 240
agggtttaag gca 253

<210> 41
<211> 319
<212> DNA
<213> Mus musculus

<400> 41
ctagcttcat tatcatancc ccaattctca tagctgngna catactatna cnnggttntc 60
nctnnaataa acggagntgt nagatnacag ctgtgnntg cactcatgtg tgagtattnn 120
ncatgantct gttttatnta ncancatatt atgctgagtt gcctgatcct cacactactg 180
gtgctgtntc gcagtatata ttcaantgat cgnaggccct gccacatct ggaactaagg 240
ccantngagt gcnctccacc ttactggtgt caggactttg ttcttctgag attattgagg 300
acccacacac cacacacca 319

<210> 42
<211> 164
<212> DNA
<213> Mus musculus

<400> 42

ggtcttccct	cgctgcttcc	cgttttaccgt	ttaagatgtg	agctctcagc	ttctgtgcc	60
agccgctgtg	cctgctgcoct	gctgccatgc	ttccccacca	tggtggatcc	ttacctctct	120
gggactataa	gccaaataaa	cccttccttc	cttaaaaaaa	aaaa		164

<210> 43
 <211> 444
 <212> DNA
 <213> Mus musculus

<400> 43						
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accaactccc	tgaacncnnt	ccctctcttt	ctccanngan	gtggctgggg	caggangaac	120
tgatnaatat	ttcanccgga	accctccatg	tgattttctt	ttcccnacac	ttaacagggt	180
tcaacntgan	tcattctgcc	cggacctgca	acnatntatc	natggtcogn	cccnggctgt	240
aggtctgcct	cncggaacta	caanaggtea	tttcctcaat	canctccatg	gcccganang	300
ntcaggaact	ggaggaccgc	nacncagtcn	tntggggaaa	aagggcanaa	actgacnana	360
cttnatcacc	ttcaaataac	aaatttgcca	aatcccaaac	ttccaacacc	tgaaactcnt	420
ngaantatca	aaccttccat	ctcc				444

<210> 44
 <211> 240
 <212> DNA
 <213> Mus musculus

<400> 44						
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atgagnatac	cctggaactg	ggattatgca	cagcatgggc	atgtgaacag	tgctcttcct	120
cactgaatca	tctcgatgcc	cactgataca	agacactaat	gagggaaaac	gtgggacagc	180
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<210> 45
 <211> 421
 <212> DNA
 <213> Mus musculus

<400> 45						
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tgctcccggc	tgctcccgct	ggaggccccc	tgccagcagt	ggatggagct	gaggacaagc	120
tacacaaacc	tggaaggctg	ctgtcctggg	ctcctgacac	caagccagat	aaagccaggc	180
acctataagc	tggtcttcga	cacagagcgc	tactggaaan	ancgggggtc	aganagcttt	240
tacccttatg	tagaggtggg	tttactatt	acaaaggana	cccagaantt	ccacgtacct	300
ctgctgctga	gcccattggc	ctacaccacc	taccggggga	attaaantga	tgtgttaoct	360
gaaaaaagcc	atctatctgc	ctgtttcttt	cccagactta	gccacccaca	caaatcatgg	420
g						421

<210> 46
 <211> 113
 <212> DNA
 <213> Mus musculus

<400> 46						
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ctgtcacctc	tgaggagtaa	tggaactgtg	tgtgggtatca	ctgggccctt	ttc	113

<210> 47
 <211> 394
 <212> DNA
 <213> Mus musculus

<400> 47
ccagcccaaa gcaagggagg tccagcannc canagtcttg ggcccaggcn ctcttgcaat 60
ccccaanaan ccaaggagcg tnagtccag tccccctgcag ccatgcagcc tgtccagctg 120
ccccgcctgg ccttgctctcc accgctccct gccccctccan caccancnc gngctggna 180
caagtgttac cctcatctcc tagcccaact cctcctcggc ccacctcagc ccagaaanac 240
tccctggact tccctgcgggc tccctggaaa ctgccaatgc nntcanggaa ctggttggca 300
cccttcggca gggactggcc aaactgaacg aagccctcag tgccctgtna ccccttttgc 360
cggaaccca nctgaccgcg tgcccccgcc ccca 394

<210> 48
<211> 281
<212> DNA
<213> Mus musculus

<400> 48
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ctacaagttt cttagcccaa gcagcacagc ttctccaccc tagggaaccc tccattctcc 120
gtggttctgc agcccagtaa ctctcaggca tgcatagaga gctgatggct cagggtccct 180
agcccagcct cccatcagag ctgacgggaa ctgcctgggg tagacacaag tcacagttta 240
aaagtaaata aatcaagtgc tttcacttcc aaaaaaaaaa a 281

<210> 49
<211> 313
<212> DNA
<213> Mus musculus

<400> 49
ggcagaggag acggacaacn tattcntggc ttgcaaagca ncagggtggg cggaactga 60
ntgagagaga tgccanctac aaagagtgtt cctncaaaaa tttcaancat gtgttnngcn 120
cncngtccag ggtggnccng gtcgcacac atgtataact caccnccgc aaatagntcn 180
cnttcttnna aannctcnaa attaccctca nctctcatga ctgtggcagc ctgacctatc 240
gggatgtnaa tttggaccaa tncntgataa aactgengct tctctgtgat ctgcgcctgc 300
cttgtctgca cgt 313

<210> 50
<211> 254
<212> DNA
<213> Mus musculus

<400> 50
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atcccctcac antccacctn tctacnagaa tcacagatta ttcagcggag aatctgggtc 120
ccctnccct tcattcataa ctggtgtcac tcccatantc tttcaccctt ganctaaaaa 180
aatgtgggtg cacacntcta ggaatccctt cacttganaa gacanagtcc agtgggatct 240
ttgtaaattc taga 254

<210> 51
<211> 345
<212> DNA
<213> Mus musculus

<400> 51
gtatccgggt tctgggggtg ggactctggn ggntgctnca ctgctncat tnntcatgat 60
gattgggaat aaggtgcngt atattntccc tcagctcctt tctnatctcc ttgatgttcn 120
tagangtcct acgtgtatgg gtgntaccta cnatnccggt ccnngaaagn cttcanagga 180
atntcctggg canctnctct aatnntcttc aaaacgtcct ntangccctc ngatatntnt 240
ggangatctt atggctaccc aanaaacnct tnnaaaacct tgtnatctcc tctccaggga 300
tgggtctgtg atcttcacca ttgagtattt gctgaatgac ctoca 345

<210> 52
 <211> 149
 <212> DNA
 <213> Mus musculus

<400> 52
 actggtcaca tagtacttct agacnccggtc naaaatntat ngctcnaatg tccttccgcn 60
 ncanatannc gtancttnga tagtttccctg gtgtgtatgc cttttttagg gtttttcaat 120
 taaaagaaca cancaagaat gtcaacgga 149

<210> 53
 <211> 194
 <212> DNA
 <213> Mus musculus

<400> 53
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 naggccctgg ctttggccat caaggcaagc cacannacgg gcatccagac atgttggtta 120
 cgaangctgt tgtctataaa ganccggacc cnnccccgga agagagagac nnggaaaggg 180
 gcggaatcct tgac 194

<210> 54
 <211> 389
 <212> DNA
 <213> Mus musculus

<400> 54
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 cctgcttcac agggagaaga gtggagcaca ggcgaaacct ctcagtctgg gaggtcactg 120
 cccaggaacc tggacctttt agagagctct ctogccatct tttatctccc agagctgcca 180
 tctaacaatt gtcaagggaac ctcatgtctc acctcagggg ccagggtact ctctcactta 240
 accaccctgg tcaagtgagc atcttctggc tggctgtctc cctcactat gaaaacccca 300
 aacttctacc aataacggga tttgggttct gttatgataa ctgtgacaca cacacacact 360
 cacactctga taaaagagat ggaagacac 389

<210> 55
 <211> 341
 <212> DNA
 <213> Mus musculus

<400> 55
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 caggcagtaa aggagccgct catatgctga gacatctaac aggggacct ttttgcatac 120
 gacagtaaat ggacattgct gtaatccctt ataagttaat gttttccaac atgagtctga 180
 atgatgtaat atttaaagtt atactatgct tatccgaaaa tggatttgta cttatcaaaa 240
 atcctggcag tttaaaatgt atgtaattgt gtgcaagcat taactagttt aataaaaacta 300
 tcattttctc tttcatgttg aaaacactgg aaaaaaaaaa a 341

<210> 56
 <211> 472
 <212> DNA
 <213> Mus musculus

<400> 56
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 accacagcta ttagtagacc actctgcact tccagaagca ctgaggccgg totgcgagaa 180
 acccaacgcc gaggagatcc tgcagaggct agaggccatt gtcaggacc caaacacatg 240

tgagatctgt	gcctacgctg	cctgtacggg	atgctagagt	gacatcgctt	gcctttctct	300
cagcccatgt	ggaagccctt	ctatcttcta	gaagtcacga	ggctaacaaa	ctcataccct	360
cagcatctat	tgccctgcca	cagcggggag	gaggctgagg	agacagctac	ctggagaagc	420
cttgccctgag	ggctatgtta	accctcagcc	aataaaccaa	acttcagaac	tc	472

<210> 57
 <211> 375
 <212> DNA
 <213> Mus musculus

<400> 57						
ggatagactc	cggccggatg	ccactcccag	ccctgaccaa	gaaattgctt	cctgttgcca	60
gtctggcctg	ctctcctgcc	tccaacaacc	aagctgccga	tagcctctcc	ttttgctcct	120
ggacctcca	tcttctcttc	cctctcatcc	tttgaccaac	cctccaactc	tgcttctcac	180
catcagctaa	agggaccagt	ccctagggga	gccaagagct	cccaaggaag	gatgaaggag	240
agaaggcaag	catcccaacc	agatccaagg	ggacactgtc	cccatgctga	atgctcagga	300
ctcttggtgc	ctgccctgtt	tacggatccc	tcattttgtg	taataaagtg	cattgagtgc	360
ccctaaaaaa	aaaaa					375

<210> 58
 <211> 405
 <212> DNA
 <213> Mus musculus

<400> 58						
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cttgcgctcg	gccgtgcccc	gaggagaggc	ggcgggtgcg	gtgcaggagc	tggcgcgggc	120
gctggcgcac	ctgctggagg	ccgagagaca	ggaacgcgcg	cgtgctgagg	cgcaggaggc	180
tgaggatcag	caggcgctgt	tcctggcgca	gctgctgccc	gcctggggct	ctccgcgtgc	240
ctcggaccgc	cccttggtcc	ccgacgatga	cccggacgct	ccagctgcac	agctcgcccc	300
tgctctgctc	cgagctcgcc	tagaccgggc	cgcttggaac	gcccacttg	tccccgcccc	360
tgccngtgcg	ccgcgacccc	ggccccaatg	tattatgatg	gcccc		405

<210> 59
 <211> 333
 <212> DNA
 <213> Mus musculus

<400> 59						
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aacatggggg	aaccggaagg	agncactcac	gtgcactctt	ctaataaaca	aggtgatgga	120
tcancaggaa	gacgagtcac	caccgtcttc	cttacgaaga	tgatgtcaca	tcaaaatnaa	180
tatgatcctg	nncctaaagg	caanccggta	ctgaggatga	tgaagatgac	atgtngacac	240
caagaagcna	aaaacgagag	gatnatnact	tccccnccga	nnntncccta	cgccccgtgac	300
tattccccct	cacttccccg	ctcagaattt	aac			333

<210> 60
 <211> 399
 <212> DNA
 <213> Mus musculus

<400> 60						
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antnnttnnc	tttccantng	cctgtctcct	cnactgnnct	tgtonatggt	acattatcat	120
ctnccgactc	tggnntnaaa	ttngtctcnc	nngttcctga	agttggccaa	tganattcct	180
ctgaaccttg	aatgtggatg	acttcaggca	gccnngttn	cccaanaaaa	tggtaaccta	240
nanacacctt	cctaaaaggg	ctcccacgaa	aggggaaagc	caggaaaggg	caagangacg	300
gacctgacc	actatgaaac	agactacacg	acaggtgggg	aatcctgcga	agactggaag	360

aagactgggt ccngggaata tcccctatca cttccgatc

399

<210> 61
<211> 420
<212> DNA
<213> Mus musculus

<400> 61
agctacgatc gacacactct ttacaacaat ncanggtata aggncccttat tcttctgctt 60
gtgtccctcc tnggnatggc cnatgcnact cccggagccc ggggtntnat taactgctcn 120
ggaggaagtt ntatctgttn nannactnnt ctctgtntga gcagaggctg acctnttgan 180
ggggacctga ggcattgccc gttgcaaccac aaggccatgg agaancctga ctgctacnca 240
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gantcgaacn tcaacngcgc catctctnng ncnnttatg gcattctgct cnaactccagg 360
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<210> 62
<211> 483
<212> DNA
<213> Mus musculus

<400> 62
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cctatgtgac atgcaggaga aacttcgaga tagaatctc tacttcccac agatcgtgtc 120
aatggccgct cggatgctta aggtagccca gatgctagaa atccccgtct tgctgacaga 180
gcattaccca caaggtcttg gccccacagt tcccagagctg ggtgctcagg gtctgcgaac 240
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ccagctgcag tccgtgctac tctgtggcat tgagacccaa ggctgcatct tgcacacagc 360
tctggacctc ctggaccgtg ggctacaggt tcatgtaaca gtggatgcct gntcttctca 420
aagtgaatg aaccggcttg tggcactggc ccgaatgcan caaaatggcg tcttctgtc 480
cac 483

<210> 63
<211> 197
<212> DNA
<213> Mus musculus

<400> 63
gcacagcccc tgctgtcctc ctgacaaccc cttggacttt gagaaaaccg acatgattga 60
ccgtcccact tgatgtcctc gcttagaaga gtgacaagag ttttggagtc ttgagggccc 120
tgctgtgtgt ctggcgctcc tggacatcag gacactaaat aaataaagac tgagtactgg 180
gctctgaaaa aaaaaaaa 197

<210> 64
<211> 200
<212> DNA
<213> Mus musculus

<400> 64
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atactgcaac aggagcagg gaatgctgct ggtgtcttgg tatctggggc aaaggtgggg 120
ggttaatgaa aagcaactca gactactgaa ccagatacag aaaggcaaat aaaaatcaat 180
gtgttaccat aaaaaaaaaa 200

<210> 65
<211> 145
<212> DNA
<213> Mus musculus

<400> 65
agaatgacttt ttgccccgaa atctggatga cctccagctt cccccgagcc aggagaaagt 60
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agagacccat gcaaaaaaat aaaga 145

<210> 66
<211> 437
<212> DNA
<213> Mus musculus

<400> 66
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ggtacccagt ctccggcgccc tctctccagg agcccttana atggcnaggg tctgggtcct 120
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caagtcanag tgtanctgga gtcccatcgc tcccttctat gtccancaga tccaggacgc 360
ctctttgagg cagatcattg ctgtaggaaa gccccatttn ctttcccca ctatccttgt 420
cctcctcctg tgagtga 437

<210> 67
<211> 195
<212> DNA
<213> Mus musculus

<400> 67
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ggctcaaact nttgcttctg ttggagggtca tttcacggga acgtntgcct aaccagagc 120
gggggatnat gcncagtgca ctagatccnc cttaactctc anaatggacc ccaaactccc 180
ccaaaaatcc ttttt 195

<210> 68
<211> 175
<212> DNA
<213> Mus musculus

<400> 68
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agagggcctg ganccctctg gaaacggtna acccatcctg taggttngaa naattnaact 120
gagtcttctg gaataacaan cantgctctt aactnctgac ccatgtctct ctcca 175

<210> 69
<211> 179
<212> DNA
<213> Mus musculus

<400> 69
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gccgggggtc tggggaaggg aagaagcaaa gaaactggtt ctctcccttg ggctttatgt 120
ttggcaaaact tgtttactta aaatccacct ggcccccaaa tttccattaa aattgaagc 179

<210> 70
<211> 220
<212> DNA
<213> Mus musculus

<400> 70
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tggatctccc	aaatttgtga	ggaagggttg	taaaaagcta	agcgctgctg	cgcacccac	180
tcagctccct	cactgctgct	gaccattcac	aaaaaaaaaa			220

<210> 71
 <211> 107
 <212> DNA
 <213> Mus musculus

<400> 71						
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tgctatacga	agttattagg	tccctcgacc	tgccagcccaa	aaaagta		107

<210> 72
 <211> 255
 <212> DNA
 <213> Mus musculus

<400> 72						
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cctgatgcat	actcgggccc	cctgccnact	gcagnctttc	gggctgtgtg	anctcctgaa	120
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tggccccaaa	aaaaa					255

<210> 73
 <211> 196
 <212> DNA
 <213> Mus musculus

<400> 73						
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catcattgaa	gagtccttaa	aaacttaaca	gacttgtgta	acagcacaag	tatgttccta	120
aagtgtgtga	tttactgaat	ctgtttcctg	gaaaagtaat	taataaagct	tattctcaga	180
gtgttaaaaa	aaaaaa					196

<210> 74
 <211> 186
 <212> DNA
 <213> Mus musculus

<400> 74						
agaacaattt	atctctngga	tacggangaa	catcactagg	cacattttat	gaataactcca	60
antcctaagt	tacactgana	tctagacctt	cattttggcag	ggtcaggcca	ttggatggtg	120
ttgctgtatt	gtcttgtcat	gttttttaaaa	tctgtgcact	ttgtccaaag	ttgacatttt	180
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<210> 75
 <211> 309
 <212> DNA
 <213> Mus musculus

<400> 75						
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tatctgttca	anggtctgac	ngtcgcanga	tcctcncnaa	gggatagtct	gccgtcccca	120
tngtttctga	tccnccgggt	caccactgcc	nccancaaac	tgennaangc	tgctgaancc	180
catccncang	accacatnt	tgaagaggaa	tgttttcntn	actgtattgc	cncgtttgag	240
gaagaccacc	ccngggcgca	cntggcangg	agcantgcca	acgatnatte	tcgtcctcaa	300

ctggatgaa

309

<210> 76
<211> 218
<212> DNA
<213> Mus musculus

<400> 76

ttccaatgac	tgcccttttna	caataaaaatn	ggaagccaca	accanngtct	tttggataaa	60
gcancacaat	ngacattgta	atcgaaggca	acnatacgcn	tatccttccn	taggcactta	120
tctttcccaa	ncatgggaaa	gacnncct	ccccactca	tccctccnc	nctncactg	180
nctggtnggc	tntcagaact	atgtaaaata	aaatataa			218

<210> 77
<211> 531
<212> DNA
<213> Mus musculus

<400> 77

attccactcc	gttaggatta	aagagacaga	gtgtacttcc	cccaggagag	acagcctaaa	60
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cggcagtcaa	cctnctgac	cttgacctgc	gacagggatt	gcagtcgaga	ggatacccaa	180
gaaaccagtt	ttaatgataa	gcaagacgtc	tctgaaaagg	aaaagttcga	agatgtgccc	240
cctcacatca	ggaacattta	tgaagatgcc	aagtatgata	tcacgcgcaa	catcctgaaa	300
aattttctagg	gctggaaaga	ggagggagggt	gctccctgca	tactatgacc	tcctctttac	360
ctncactacc	catctncccc	tnctgnattc	angatctgcc	cctccttnc	gcccttccca	420
ggaacacccc	ctctagagta	ctctagctcc	taancatnca	tacctttgtn	catttgcttc	480
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<210> 78
<211> 233
<212> DNA
<213> Mus musculus

<400> 78

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ggaggagcct	cccacggagc	agaaaatgcc	acatcacgc	aggatccttt	gotgcttgag	120
caacctgcaa	aacatcgaaa	cacctaccaa	ataacaataa	taagtccaat	aacattacaa	180
agatgggcat	ttcccccaat	gaaatataca	agtaaacatt	ccaaaaaaaa	aaa	233

<210> 79
<211> 554
<212> DNA
<213> Mus musculus

<400> 79

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aagatgacac	tgctggaacc	aggatgcagg	gccactcctg	atctggatgc	tggggttaag	120
caagtgcagg	gcaaaggcag	agcaaaggct	ctgaggcgcc	tcttcccgcc	atgcgcgcaa	180
cccctggaga	aacacctgct	atttcaactc	cccaagatcc	tttaggaaaa	atcattgctc	240
taggcctctt	tgatttttct	ctcaaaagca	atagctgtct	gcctcactgt	gcctttgttg	300
ctgtggaaga	ctgaagatat	aaatgagcat	tactgggatg	ggacgtctgc	gtgaagactc	360
actggagatt	cctttcaa	gccatctttc	tgtacactag	atttctttct	ttggatcctt	420
aaagatttct	ttccagtgtg	aaggttttat	ttgttttggt	ttaatgtota	tatttgtttg	480
aaaaaaaaatca	ctgtgatttt	acatttcacc	acaattaata	aacattggga	gcttcattct	540
ggtaaaaaaa	aaaa					554

<210> 80

<211> 322
 <212> DNA
 <213> Mus musculus

<400> 80
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 ggccagctgg acatcctcag gcagacagtg tccattcttg aacagcgact gacactaaca 180
 gaagacaggc tgaagcagtg cctggagaac cagcagttaa tcatgcagag aacgccaccg 240
 tgatgagggg agcaaggatc aggagctcag tgattggggg gacagcaggc cagggatttg 300
 tatggggact tgagtaaadc cg 322

<210> 81
 <211> 168
 <212> DNA
 <213> Mus musculus

<400> 81
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 acctccaagt gtgtagagac gagtcacctg acgagaggcc ccaagggtgt caaaaagccc 120
 aacctgtcac gcacagccct cactgcctga tctgcacaga ccaaccat 168

<210> 82
 <211> 275
 <212> DNA
 <213> Mus musculus

<400> 82
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 tacaatagac agaaaactga actgtagtct atgtgtagct tccgacaaa ggaacttctt 180
 gagttaatat taacttaagg gactcccttg ggcaaagtta ctgatagtgg ccaaaggccc 240
 tncggctctga ccantccca aaaaccaaac ctgct 275

<210> 83
 <211> 232
 <212> DNA
 <213> Mus musculus

<400> 83
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 cccccgcct aggtatctgt ttggactacg aaacgggggn gcgggtctcc ttccctggaat 180
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<210> 84
 <211> 319
 <212> DNA
 <213> Mus musculus

<400> 84
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 gagtgtctnc aagacagctn tatcggatct actacnggtg tccctgtgag cggngnctga 120
 cctgtgagg ggacangagg catcttcngc tccatcacca acgnattan gnactctgac 180
 tcgactccag gcactcctat cggatanatc tacnngttt cctgggtaat gnggttcttc 240
 tctttctccc tcagtnat ctgaaccngc catctgttgg cnntntatc ccacttgcct 300
 cctttccagg ggctccaaa 319

<210> 85
 <211> 387
 <212> DNA
 <213> Mus musculus

<400> 85
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 gggggaatac tcatgagtg tctgctggcc ctagctctta ccacgtgcag ctttcttctc 120
 ctttccattc cctattcctc catttctctt toccagccct tccctcagnc aagcctctgg 180
 gtccttgggc tctccatttc ttcattagtc tctcctctat ccttgtctct gccctgcac 240
 cngcccttcc ctcantgatg gttggaggaa tgtactanac ccgagaatcc ccggcctggc 300
 ctgagagatt anactctgtct gtgtgctgcc ttggtcctca aantaagcag ctaancccca 360
 tttggttctc aataaagtgt gaatcac 387

<210> 86
 <211> 406
 <212> DNA
 <213> Mus musculus

<400> 86
 atggaagaca cttganaccc tcgtccnccg gaggtggcnc canaggaato tacgcancan 60
 gcgtngattg aggagccctt gnacctgtg antntnccga ntgncccttn acagacgtg 120
 cctntaaana gnctagtnt tgtgncttag gnccttcccc tgtcctanaa nngcactgnt 180
 ctttgnagaa gtnattcctc ccnctacctc ccatngncca cacttttaac naactatnat 240
 tctcctctta gaggnnagnt agaaanccac ggcccaanat tctgtcact ctcattatcc 300
 ctctagatca gnagtacatt ntgagacctg tntcacaagt ggtcatttct cttctctcct 360
 gtctggcatc cgatcctaag taaacaagtg actaatataa tcatga 406

<210> 87
 <211> 540
 <212> DNA
 <213> Mus musculus

<400> 87
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 ccctttatga tgcagtgggt ggtgtatgct gtgcgaaatc tcaactgaaga caacagccaa 120
 aaccaagatg tcattgccaa gatggaggag cagggccttg cagacgcac cctactgaag 180
 aaaatgggct ttgaaattga aaagagtggg gataaactga ttctgaagtc taataatgac 240
 atccccccgc cttgaatgcc atcttccatg gaacacattc agattccatc tcacggacct 300
 ctcatctctg cagtgtatga aatcacaagt attggacatg tagggtagac atgaggggagc 360
 ctccaatcc tttagagtaa atgagtgtaa gctacaagtg gacgttttct ttatttcttt 420
 gcagtaagtg ttactgtctg cctcaccttt gtccctctgg gtagaactcg ctttcccgtc 480
 atatacattg tgcttactgt tgtagtaata aacgtctctg tgggcacagc cctcactcgg 540

<210> 88
 <211> 400
 <212> DNA
 <213> Mus musculus

<400> 88
 tcaaggattc tccgccggcc anagcccaac aggacacccg gactctcgca aaacacntnt 60
 ctacaccgat cgggccaaaa acaagggtctc aaaaaagctg aaggctcccc gtccccaanc 120
 tcttccacac tctccaaacc ancantcggg agggcttgcc tgccctggtct gtggtctctc 180
 ttcttcccca atttcggcca cccccgcat cctctgctct ctttcccgcc caccggagc 240
 catcccgctc ctccgggctg gtacctnact nanaaaaacnc gggcntgaca caatgccccg 300
 caggtcaatn tnaactgggg aggaaagccc gctcttcagg acaaaaactcc cgaacttnaa 360
 agcctgcnct tcatacagct cggtgaccaa aggggcccag 400

<210> 89
 <211> 212
 <212> DNA
 <213> Mus musculus

<400> 89
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 ancgtaagg gtcccaaata cccggagagag agaganatcg ggcntctaga ntcnggggtgt 120
 ccaggacant nactgcgcac ctgcacaaaac tcttttctaata tatctaaca tnttactctt 180
 tcagacactt ctttctatct ttcttttggg gg 212

<210> 90
 <211> 261
 <212> DNA
 <213> Mus musculus

<400> 90
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 ctgtgtgtgc tnaggctgga atctctgcac ctgcctntca ctcaggacgg gggggancca 120
 aaaattcggg ggctggcttn tgnatttacc ctggcttcat aacctcagga tattaattc 180
 tcatcccagg aatcagctgc caacttttagc ccatnontct tttntataca ccttancatn 240
 aaagggcact ttttaaaaaa a 261

<210> 91
 <211> 181
 <212> DNA
 <213> Mus musculus

<400> 91
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 aatgtntgga aggcaannnn acncttango ttcccaaggc acnnatcttt cccagcatgg 120
 gaaaaatcct cctccccct cctccctcc ctcctcact ctttctatta tgctctctta 180
 t 181

<210> 92
 <211> 418
 <212> DNA
 <213> Mus musculus

<400> 92
 ggaaaaccct ccagagcatc ctcagggaaa ggatgccacc ctccagaagt gatgaagaca 60
 attcaaggct agggcccaaa ccaacttcca caatgtctca gactctctog ggaggggtccc 120
 gggctgtcag caattctgta aaaggctcagc gtaaatcact tgggaggcat ttgtgtaggc 180
 atggtctctc ataaatgagc gtctgccaaa cccatatatt tctaaaaaca tctgcaactgn 240
 cttnacntg ggttcaaanc agncaanntn cngggncntt cccntgaacn tnaaagggcc 300
 gccaacctng ttttgntat ggnancntcc aancnaggn gaacntcatg ngagatatct 360
 ntactcacat ntcacatntc caaacttccc agcanaggca anaaatctgg ggaaactt 418

<210> 93
 <211> 214
 <212> DNA
 <213> Mus musculus

<400> 93
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 ccatcatcac cccantggcc caggaaaatc aatgantatc cttctctgt cctgcaacaa 120
 catccatata cagccagggt gccctgtccc aagcacctct ctggccctct ggtggccctt 180
 gcttaataaa aattctccga gcacaaaaaa aaaa 214

<210> 94
 <211> 445
 <212> DNA
 <213> Mus musculus

<400> 94
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 gctccaattc acactcctga gctctaagga tcacagagct gtogtctctg tagccagatg 120
 gcactcctcc atgttccccg gatggccact tatactctca cccctcctct tagccctcca 180
 gaaagatgtg tggcaagggtg ggggatggac atgacgtgaa gaaactcacc ttcaggagcc 240
 ttccttacag caggaggggtc cagaggcacc tggcctgact ccattcctta tgggttgag 300
 gacattgccca ggtttacacg gctctgagc ctggactgtg aggctaggaa ctcacgtcac 360
 aaggnttggg gttaaggatc cagtgaagctg attgggtaga gcacctatga caggacatgg 420
 cgtcctgcaa gcacgcaata aaacg 445

<210> 95
 <211> 339
 <212> DNA
 <213> Mus musculus

<400> 95
 catcttggtg tgtttctgtc ttccttggac cacttacagc ttggcaagtg tcctcatcat 60
 cgggtactgct gactctgtcc tctgaanaa tatcttgagc gtgaanaaat tcggcagcgc 120
 tagaaaaaaaa tgtcataata ataaatacac tggaaantca tttatctcaa tnacagacta 180
 cntgcaattc aaaaaccgac atactaatct gttgcttaaa ntaaaatcag gggccaaata 240
 aatgattgaa taactataat ttacttcaaa aaaatgcctt gaacaaaatc taaaanctga 300
 accntgtcnc ctaaantaac cttttcattg tataaatta 339

<210> 96
 <211> 264
 <212> DNA
 <213> Mus musculus

<400> 96
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 cccatacttc tacagcacca cggctgtcgt cagcaacccc cagaattgag agactcagcc 120
 caggaggacc aggatcttgc caaagcagta gcatccatt tgtacaaaaa cagtgttctt 180
 gctctataaa ccgtgttagc agctcaggaa gatgccgtga agcattctta ttaaaccacc 240
 tgctatttca ttcaaaaaaa aaaa 264

<210> 97
 <211> 292
 <212> DNA
 <213> Mus musculus

<400> 97
 tocaaccccg cggacgcacc cgcnaaactg ancagaaata ggnnaaacn acgggcagng 60
 cnaatccagg cctggcgctg cgggcgggaa gacgctggcc tcagcgagcg cggctcatct 120
 tocagattag aagattcccc ccgcacacac caggggaccc ccgcaacacc aaggcacaga 180
 cagcctccgg acagagctgc cgccactgg gctctgtccg cccatccgag ccaacactgg 240
 ctcccgaata catcataatt tggaataaaa tgtgaaatcc caaaaaaaaa aa 292

<210> 98
 <211> 218
 <212> DNA
 <213> Mus musculus

<400> 98

gtggggtctt	tcaaagacct	tggcgagaaa	gccagacctg	cgctggagga	cctgcgccat	60
agtctgatgc	ccatgctgga	gacgcttaag	caccaaagtc	canagtgtga	tcgacaaggc	120
cagcgagact	ctgactgccc	agtgagggtg	ccgcttccac	tccccacccc	cgcattggct	180
ttcttacaat	aaacctttcc	aaaatggaaa	aaaaaaaa			218

<210> 99
 <211> 273
 <212> DNA
 <213> Mus musculus

<400> 99						
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tggaaatttg	agagccggtt	taaatatgat	cataacgtcc	agaagtctgt	ttctaaaata	120
tagaaaggca	agatgacagc	tctaaggatg	ccaattttga	agaacttgga	atcttttcgt	180
tttgcattaa	accttgggct	catctagctg	ggtttcctgg	tgtgacagga	gaaagaaaca	240
gtaataaaaa	atggcttcct	tgaaaaaaaaa	aaa			273

<210> 100
 <211> 210
 <212> DNA
 <213> Mus musculus

<400> 100						
gggccaacag	agccaggatt	cagcaggagc	gccagcagag	gcagcagcct	cgggcagaac	60
cctccctgcc	tccagaaaag	tccaggatca	tgccccagga	cacaagcccc	tgagaggctt	120
aactaaatgg	gaccttcatt	ggtcctctcc	ctgctgcctg	tccagaacta	cacgtgcaat	180
aaactcattt	tcagacgcca	aaaaaaaaaa				210

<210> 101
 <211> 447
 <212> DNA
 <213> Mus musculus

<400> 101						
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catggcatcg	gctgagacac	ggacccggcg	caggggagga	cgcttgaact	tcccacggag	120
gtccagcacc	ttcagcttca	ggtccttgat	ctgggggagc	aaaggagcca	ggctctgagc	180
cagggatgtt	agacctagag	ctctcaccct	gaggatccaa	ccactgggct	tccagctaga	240
accatcctac	aagtccctcg	ggtccagggc	tagaccatct	ggggtgctca	gaatctccta	300
ccctttttcca	agcaatcact	acacacgcta	aatgtttctaa	atgaactttt	acagattacg	360
cccactagtt	aaccttgcct	cttncccata	accagtncc	caattaantg	ataagccaat	420
aaacctttac	tccatttgg	aaaaaaa				447

<210> 102
 <211> 104
 <212> DNA
 <213> Mus musculus

<400> 102						
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ngaaanncan	ttgggaaaaa	tgggcctccc	ccctccttta	taaa		104

<210> 103
 <211> 234
 <212> DNA
 <213> Mus musculus

<400> 103

tgcccaggct	cccctaagtt	tccaagctgg	cctccacctt	gcaacgctgc	tgcttcagcc	60
cgagtacctg	gattatagtc	cttcagtgtc	ccgcccagct	cacaaccttc	tagggtttgt	120
tctgttttta	aggaagtcag	catttggaaa	atctacacct	gtacaagatg	tggaaaatca	180
cttgatcaaa	gtaaaacaag	gcagaataaa	agttggatat	gggaaaaaaaa	aaaa	234

<210> 104
 <211> 307
 <212> DNA
 <213> Mus musculus

<400> 104						
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aggtctgggt	atacagtgca	tccctgtgac	cccagcactc	tgtgcagaag	caagaagata	120
gcagcaaatt	caaggcctgc	ctaattgacct	acctacaaag	tcatacttaa	actgagacac	180
tgacgctcag	tagaagctga	gcagaaggat	agagacctgc	aggccagcat	gttctgtcta	240
gcaagtttaa	ggatagggtt	acataaggga	acccccgtct	caataatata	aagtaaaata	300
aaataaa						307

<210> 105
 <211> 324
 <212> DNA
 <213> Mus musculus

<400> 105						
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gtgtttgtga	aatgggtacta	taactccaaa	actggcaant	gtgantgggt	ccgctatgga	120
ggctgcaaag	gcaacaaaaa	caacttcccg	agcaaaaattc	agtgccaggc	antctgcatc	180
aacacctgac	ttgtcaagcc	aanccagccc	tccatggant	caanctccct	ggggacccct	240
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ctgtctatct	ccgaaaaaaaa	aaaa				324

<210> 106
 <211> 183
 <212> DNA
 <213> Mus musculus

<400> 106						
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acagcacaga	atgagagcag	gttcaggccg	aacctcaacc	caacctggag	ggacatctat	120
cctgcttggg	ccaccccggt	ccttgcacac	aactttgaca	aactccatgg	aattaaaaaa	180
aaa						183

<210> 107
 <211> 132
 <212> DNA
 <213> Mus musculus

<400> 107						
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taaactccct	tttcaacccc	aacacccact	atatattttt	aatatataga	aaaaaaagct	120
aaaaaataaa	aa					132

<210> 108
 <211> 214
 <212> DNA
 <213> Mus musculus

<400> 108

ttccaaactg	ccttttgaga	ataaaatggg	aggccagaac	caaagtcttt	tgaataaagc	60
accacaactc	taacntgtan	gganganac	naaacaaaa	ggaaaaaatc	tttcgcanca	120
tgggaaaaac	ctccctccgg	gccctccctt	actccctccc	tcccttttga	cccattttca	180
ctcttccacc	atacactcaa	taaaataaaa	taaa			214

<210> 109
 <211> 111
 <212> DNA
 <213> Mus musculus

<400> 109						
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ggcaactaat	tcttatcttt	acatgggnaca	gggcgggggg	gcaggggggg	g	111

<210> 110
 <211> 119
 <212> DNA
 <213> Mus musculus

<400> 110						
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ggcaactaat	tcttatctnt	acatgggnaca	gggcgggggg	gcaggggggg	ggaatttga	119

<210> 111
 <211> 161
 <212> DNA
 <213> Mus musculus

<400> 111						
aagctggatg	tcagatccct	gggaggatat	gagaggatgt	ttccagaaag	accgaactaa	60
aaaggaacgt	ccaaccctga	atgtggagga	catcctcctc	tgggctgggc	tcccagactg	120
agtaagaaga	aaataagttg	agctcgcccc	cccccccccc	c		161

<210> 112
 <211> 226
 <212> DNA
 <213> Mus musculus

<400> 112						
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gtttaccgaa	agcaaatgca	cggggtgcaa	aggttccctt	gggacacntc	tgaaaaggat	120
ancagccctg	atggccagcc	tgaccctgag	cccagcccca	gccagcttc	tgatgacccc	180
aaccaggat	cctcacaata	aacttatcac	tccaacaaaa	aaaaaa		226

<210> 113
 <211> 390
 <212> DNA
 <213> Mus musculus

<400> 113						
ctgtgttcct	ggtgcctgtg	gaggccagaa	gagaatgtca	cgatctttcta	aggctgggga	60
tgcagactct	tgtgagctgc	catgtgagtg	tgggacttga	acagcagcca	aatactttta	120
acccttgagc	catcacttca	gcatctcccc	cacaccttct	ttaaaacagt	ctcttgtaac	180
cataactgaa	aactatcttg	aagcctgaat	actcccactg	ctatcttgag	tgtgtggctt	240
agcatcatgt	atcacgctg	gtctatgggg	ttctggagtt	gaaacaggac	ttcctgcgtg	300
ctaggaaaac	actttccaac	caagatacat	ctctaccaga	attccttttt	tgggtattttt	360
tgtttgtttg	gggttttttt	tttggggggg				390

<210> 114
 <211> 262
 <212> DNA
 <213> Mus musculus

<400> 114
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 gacatgaatc tggactttga aacgttcttc ctggattcta aatagcagca gcatggctcc 120
 cgtggataag aaccttgtca ccagaccctc cagctaggaa agctcgtcc agcttcagcg 180
 atcactgagg agacattttc tgacaagcct taaattgaca ggactcagaa taaatagtaa 240
 tgttttaatt acaaaaaaaaa aa 262

<210> 115
 <211> 297
 <212> DNA
 <213> Mus musculus

<400> 115
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 anaaggaag acagtgatgg tggcactgga ggcccagctc ggaatgtcgt gggctgaggc 120
 caaggggag cctctacott antccctcca accctactgg gcaccttccc ctgacctgcc 180
 canctcggaa tgtctgtctt gggctgaagc caangggcag cctctacott atttccacca 240
 acctcaccgg gcaccttccc ccgactcatg cttttactgg taaaccgctg ccactgg 297

<210> 116
 <211> 144
 <212> DNA
 <213> Mus musculus

<400> 116
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 ctctgtccc gggctcaaaca attgtggcag taccctnta tctgtcnctt nnagcttcnc 120
 cnttgnccaa acccccgatt tcca 144

<210> 117
 <211> 463
 <212> DNA
 <213> Mus musculus

<400> 117
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 tctggcatcc ccctgcttcc tggcccttcc oggacatctt ctctctcaag taccgactcc 120
 gctaccggcg ccgaggagcc tctcacttcc gccagggtggg acccattgaa gccacgactt 180
 tnaccctcag gaactcgaaa ccccatgcca agtattgcat ccagggtgtca gctcangacc 240
 tcacagatta tgggaaacca agtgactgga gcctccctgg gcaagtagaa agtgcacccc 300
 ataagccctg aagagggaact ggatccttga tatcagaccc tgatgtcgtc tacttgaggg 360
 tggcagggtg gcctgtcctg agtctgaata ctgactttcc atgtactggg ctgctccgaa 420
 gcactggata attcacttga ttnttnagac ctcaattttc aaa 463

<210> 118
 <211> 311
 <212> DNA
 <213> Mus musculus

<400> 118
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 taagtgcctg aacatcagca ccttggctct cagcatcctg atggttggtt tcaccattgt 120
 tagtgtcatc atcattgttc ttaacgctca aaaccttcac acttaataga ggattccgac 180

ttccgggtcct gaagtgtctt accctccgca gctgcgtccc tccttgcccc tccctacacg	240
cagggtgtaac actcatttat ctatccacag tggattcaat aaagtgcact tgataaccac	300
caaaaaaaaa a	311

<210> 119
 <211> 320
 <212> DNA
 <213> Mus musculus

<400> 119	
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tccatgcatg gacntcccta ntccattaga accggaanag gtcagctcag gaccttttga	120
aaattcnatc aggcaccctt cccctcctgg aagaaaangt gaggaacaa tctggaatga	180
gataggctga ctaagccctt acaacctcat tccctaaana ccgattattt taaaggggtgc	240
actgttctgc caatcatatt gtgcctantt gctgatgctc tattctgccc ctggaaactg	300
tntaaaaact cattgacca	320

<210> 120
 <211> 284
 <212> DNA
 <213> Mus musculus

<400> 120	
cttacctctc ccaatagtat atcacgcgaa tgtgaatacc accctgggtg aaatnggcca	60
tcttcccaen atactcccaa actctgatct gctcccantg tcacataacg cncangtgct	120
gcgnccntgg ancctcncnc tgtctctgga tgnacnactn ttgccacatt aangntaagc	180
taatgnttga ctntgaaata aacatnctn nactgacnt nggctnctna aggcctgggg	240
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<210> 121
 <211> 154
 <212> DNA
 <213> Mus musculus

<400> 121	
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gcatnngtgc tgggtctttcc ccatccagga tttatcnng angcagtctn ccaatttctg	120
aaacctnatg cncatcantt actttgggct gaaa	154

<210> 122
 <211> 376
 <212> DNA
 <213> Mus musculus

<400> 122	
ggtagactct ctgctccagg ttctcaagga aaagggagga actgccagct gaagggacaa	60
cgacaagggc ggcttccaag gagcaaaaaca aaacccttca aagactgctt tctgcaaacg	120
tcaactctac tggaccatca acaagatttc ctttgtgcaa tttacttaac tattctcctt	180
atctttcaac cgcaactaaa ctcgatgattt ttogagcagc atcttctggt ttgaacttgt	240
ttctgtgaac cactcactac ttagaaagag ctttccaatg aacgcttttt ccagctaggc	300
ttttgttga ttagattcag ggctccaatt tgctaccatt cacaataaaa agcttccgtg	360
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<210> 123
 <211> 161
 <212> DNA
 <213> Mus musculus

<400> 123
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cctggganca agtcagtgga cncctgggac tatctggaca gtaattanca aatggatnan 120
cctgaaangg gcataatgcat aataattatt tgtaagcaac t 161

<210> 124
<211> 185
<212> DNA
<213> Mus musculus

<400> 124
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aaatnctgca ctgtttttaca tgtgtncctc cagtgtcatc gaaactgttg tctanaacat 120
aaaaacatgt tgggtaccct gaagaatgaa gaaaggggac tggtgaaaac atgggaaggg 180
cttta 185

<210> 125
<211> 115
<212> DNA
<213> Mus musculus

<400> 125
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tagtcacctc ggcncctgagc tcagctcang gtagcacccc gatgttggtt ccctt 115

<210> 126
<211> 362
<212> DNA
<213> Mus musculus

<400> 126
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atctgtgatt gctgcagcca tggcaactgt agtaattcaa gctcttcaca gttccagatc 180
catggacccc gccagtggc caagctagtt tctcgaaacc gcaggcacgt gaccgatgaa 240
gctgatgtca ctgtagggcc cctgatattc cttggaaagg ccaacgacca gactgtggaa 300
ggctggactg cttctgctca aacctctgtg gctcttgggt taggcctggc cacagtggca 360
tt 362

<210> 127
<211> 230
<212> DNA
<213> Mus musculus

<400> 127
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aancccaana agtggaataa ntgagaaaa gtgggggtgca ctggaatgac tgctgctcnn 120
aggaggagtg gtggggnnct tcnnggacct nngggggatg naaatcgctn cccttcttgg 180
ggcctgttta tncaanttaa tgggtggaaat aanccctttt aacattaggt 230

<210> 128
<211> 160
<212> DNA
<213> Mus musculus

<400> 128
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ttgatcttga ncananggaa taaaggtccc cacctccttc cttontaaact ggtntcgcaa 120

cantaaatat ttgagctttg atcagtaaaa cggaaaaaat 160

<210> 129
<211> 103
<212> DNA
<213> Mus musculus

<400> 129
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ggacgctata tcggaggcat cgcagacagg cctgtgtatc tat 103

<210> 130
<211> 130
<212> DNA
<213> Mus musculus

<400> 130
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caaaatgacc taaatcacag gaccanctgt cccgtntccc attctctccc ttaaaattaa 120
ggtttttgca 130

<210> 131
<211> 201
<212> DNA
<213> Mus musculus

<400> 131
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gcaagaacat ggcttgcttc anaaagaaaa tagtttngtc ttctctaaca acttactttc 120
agctngtcga aaatgaaaat aaaaagcact ggagagaaat aatttctngc actttatgaa 180
tctattttta aaataaaaaa a 201

<210> 132
<211> 240
<212> DNA
<213> Mus musculus

<400> 132
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gggggtgcca acctgcaaaa agcattnacc acccccnccg anccctttgca aaaacctggc 120
cgttacnctat ttgtcctcgn aaccacncct ttccnaccg gggaantnaa acccctgacc 180
ctggaacttc ttgaggaaac tgtgcaggcc atggaggtga aataaattgg cctaaaattt 240

<210> 133
<211> 215
<212> DNA
<213> Mus musculus

<400> 133
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actgctggaa cctgcccgtt tgctgttccg aagccatcac gtgatcacc tgctactgga 120
cttcaagatt atttgccggg aattggggcc ctcccgttcc ctttataact gagtgccgaa 180
atagtaaaaa ttgaaccttg agcagaaaaa aaaaa 215

<210> 134
<211> 103
<212> DNA
<213> Mus musculus

<400> 134
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 aaagaaatag taataaagta atttaagaat cacaacaaaaaaa aaa 103

<210> 135
 <211> 192
 <212> DNA
 <213> Mus musculus

<400> 135
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 ttngaaattg ncaancaann ncatgactgg actcagnttn acgcaggaat agcatgtcct 120
 taaagcacia gcncaatctg gagnaggcct cangncaatc ctgtancaca taagttgaaa 180
 acctctggaa ag 192

<210> 136
 <211> 380
 <212> DNA
 <213> Mus musculus

<400> 136
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 atgatgaaga agaccagcct ttattagctg cttgggtgcct tccaagaggt ttggacctcc 120
 tgtaaacagc ttctctgtta agcagttcaa tgatgtaata cctgagtgtg tccatttcta 180
 cgtttagttt aggttagtcc cttgggtgtct aatctgtgcc agaagttata tgtccctacc 240
 aatgtcatta aatctgtagt agtaagaaac aaacagacaa acaaacgcat gatttatttg 300
 aactgtgagc cccaaaacag tatttccata tggatatttta aagtcgtana ttccaaagac 360
 atttgacttt tatttttcag 380

<210> 137
 <211> 250
 <212> DNA
 <213> Mus musculus

<400> 137
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 ccaggacctc tctcaactgg acttttaagt ggncagggtg ctttttaagta tttctgggtg 120
 gtacagacag cattctggga aagcccccaa ggactgatg tccatcttct ccaatgggtg 180
 aaaagaagaa gggagattca caattcacct caataaagcc agtctgcatt tctccctgca 240
 aaaaaaaaaa 250

<210> 138
 <211> 261
 <212> DNA
 <213> Mus musculus

<400> 138
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 atgacttgta aaggaaagag tcaccttacc tgngaattgt ccatccacct cataaatatc 120
 cattttttaa acaagctact taaaatccac aacagaggac tccctgtgcc gctatcccc 180
 cttgggacaa tccacttcaa tctgtttggc tggcttgctt tgctttgcta aataaactgc 240
 ttccatgctg aaaaaaaaaa a 261

<210> 139
 <211> 479
 <212> DNA
 <213> Mus musculus

<400> 139
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 ctgctggccc cactctggac tttttggttg gaatcagttc tgaaatggca ggggactggc 120
 atcagccagt cctcagaaga cattcctgag cactgagttg tcgttactga atgaagataa 180
 tgtcactgga tttgctcagg gctctcaaag caagatacac agtgtcatca gcgggctctg 240
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 attgagctgt tctcccctct tctggcccct ggacctctcc atatttctca atcccatctg 360
 ctttagtagc tatggaaatt ctgtgtgcat ttgctgtctt cttgccgata cgttttcctt 420
 ctctgncact ttcacttttc attttcaaat gaaaataaaa gtatttgttt tgtggggag 479

<210> 140
 <211> 518
 <212> DNA
 <213> Mus musculus

<400> 140
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 cttcaaaggt gatccctttcc aaagtgatcc cttctcagag cagcagacag cagctacaga 120
 cccatttggg ggggatcctt tcaaagaaaag tgaccatttc cacagctcaa gcagtgatga 180
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 cagtgccgag ggcttcgctg acttcagtca gatgtccaag cccccacctt ctggcccctt 420
 ctctcctnct ttgggaggna caggattntc agatgacccc tttaaaagta aacaggacac 480
 tncctggtctg ccttcgaaaa agcccgttc tttcacgg 518

<210> 141
 <211> 369
 <212> DNA
 <213> Mus musculus

<400> 141
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 tgacagaaat ggcggaagac aggaaacaca ctggctggcc catgtgcaca tctgtgatcc 180
 accagcagtc ttttagttac ttaaaagtgt tagttaaaaa aatttctcat ttaattttcc 240
 agtctcgatt gcaataacaa aatcaaccac acagtccagat gtctcaacaa acacctgtca 300
 tcccagtatt tgggaagtgc angcaggaag atcaagggnt naaaggccag cctggctaac 360
 agtaagtgtt 369

<210> 142
 <211> 238
 <212> DNA
 <213> Mus musculus

<400> 142
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 ggccttccag tgcacagcta cttcctgccc ctgaactgct catacctcct tcccttaggc 180
 agngctcttg atagacccac ggtactgctc accattatgt ccgactcaaa aaaaagaa 238

<210> 143
 <211> 407
 <212> DNA
 <213> Mus musculus

<400> 143
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gcattggagg	agatggaaag	ttggagaccc	ataccacact	tcccaacatc	ctgaagaagt	120
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tggcagaaga	aggagccaga	gtccaggaca	tgccggccca	ggctaagacc	ctggtgaaga	240
agatgaaaag	cacacctaca	atcaacctac	aggaagactg	gaagctgatt	acactcctca	300
ttggaaacaa	cgacctgtgt	ctttactgtg	agaatccgga	ggacaactca	actaaaagag	360
tatgtcaagt	tcatccanca	agccttggac	attctctatg	aggagtt		407

<210> 144
 <211> 440
 <212> DNA
 <213> Mus musculus

<400> 144						
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cgggagcaca	gcactgatgg	tggccctgga	cgctgggcag	agcgagatcg	catctatgct	180
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ttcgtcttca	gccgaggagt	gaatacaggg	aggagccagt	gagtcoccca	ggaccaccca	300
gccacaagcc	acgcatcaaa	ccgtccctcc	tccatccctc	tgtcccatte	tgctcggca	360
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aagcctttcc	cagcacaggg					440

<210> 145
 <211> 165
 <212> DNA
 <213> Mus musculus

<400> 145						
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ntgcagagaa	attcccttcg	ccacatnctt	ctcctgccaa	actgaaagct	gctgcaggcc	120
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<210> 146
 <211> 435
 <212> DNA
 <213> Mus musculus

<400> 146						
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atttaaacat	gaaaatgcag	cagctgaaga	agaggcagga	ccaggagcta	gcttccaaac	120
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<210> 147
 <211> 143
 <212> DNA
 <213> Mus musculus

<400> 147						
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ccagccaagc	tggaagtcca	ggt				143

<210> 148

<211> 237
 <212> DNA
 <213> Mus musculus

<400> 148
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 gggcagctga ttcttatctg tacatgggac agggcggggg ggcagggggg ggggagtnca 120
 tacatnanga cccgnagggc ttgnnggccca atcannctag nccagncagt aagctccang 180
 atccattgng nctgtggtct tcaagagctn tgnacaccca cagacataaa aataaag 237

<210> 149
 <211> 311
 <212> DNA
 <213> Mus musculus

<400> 149
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 tgtttcaccc acataaaagt cttcaaggat ctttctggaa agaataattt ggaacttact 180
 ggttaccaga ctaacaaaac cgaggatgat gagctgacct acttctaagc agcaaattct 240
 aaagtgacct gattcctctc attgtaaact gattcggcca tcaataaaga aatattctcc 300
 aaaaaaaaaa a 311

<210> 150
 <211> 241
 <212> DNA
 <213> Mus musculus

<400> 150
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 tgaacgatat aaacagtttt ggaccaagac caagaaataa gtctgtcagg gagttccacc 180
 agggacattt tgtaaggatg gagggcatct atctattttac catacgttct tgaaaccata 240
 a 241

<210> 151
 <211> 483
 <212> DNA
 <213> Mus musculus

<400> 151
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 atncccgunc accctcgccc tngaccctnc anccttctct agagaccctt agaccttgaa 180
 ctncactcc caacagcact gaccacctgt cccaccaggc ctgataaact ttaccatact 240
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 aattngatt taaactgatt aaatatgaga tcagggtgaaa gtaatagata caaagtagaa 420
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 taa 483

<210> 152
 <211> 310
 <212> DNA
 <213> Mus musculus

<400> 152
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cgctttggcg	gcctttccct	cagagatcaa	taaccgnacc	ctgcaccctc	cctccgggga	180
actgattaga	acaaccggcc	ttcgtctctc	gggtcactaa	attctccact	tcgacctttc	240
ctcccgccca	ctcccgaaa	gcacgtgcaa	aaacgggtaa	aacgggtctt	gtagctggca	300
aaaaaaaa						310

<210> 153
 <211> 397
 <212> DNA
 <213> Mus musculus

<400> 153						
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cagctcctct	gaggtctcct	ccatcaactc	ggacctggag	nggnaccctg	nagatgnan	180
ccttgaaagg	aaaaaggacg	gngaaacnct	tagagtgcag	gtgcgcangg	ncgtgtngag	240
ccngtggat	ttggcctctg	atgactaaca	tnntcgggag	ccaagncatn	agntnggaac	300
tcaaagtcgg	gagtcgtgca	ntgactagat	ggggaccaan	ctatnaggcn	accaggtna	360
ggaatggaag	ctgctannga	cactcctcag	ggagtga			397

<210> 154
 <211> 343
 <212> DNA
 <213> Mus musculus

<400> 154						
aaggtcagaa	caacancaac	aacagagacc	tnncagggtc	tcattotcat	tgcttaaacc	60
accagaagc	atctttggcc	tattagncaa	gcagcaagat	ggcttgnaga	aaagaatnca	120
tatcatatac	gaacnantgg	agccaggctc	caaanccctna	actttncaca	acccctggag	180
cagcagcagc	agcccagagg	ccaagcatcc	agagcactaa	ataattaagg	tcagaacaac	240
aacaacaaca	agacctccca	ggttctcatt	ctcattgctt	aaaccaccca	gaagcatctt	300
tggcctatta	gtcaacagca	agatggcttg	aagaaaaaaaa	taa		343

<210> 155
 <211> 120
 <212> DNA
 <213> Mus musculus

<400> 155						
accacacag	tagcaaata	accaactctg	acctcccctc	tccccctccc	ctctccttcc	60
cctctccagt	agtcactcca	gagacaccca	aaataaaaaa	tttaaatgta	aaaaaaaaaa	120

<210> 156
 <211> 120
 <212> DNA
 <213> Mus musculus

<400> 156						
cctctcttag	gttttagaat	cgctggaata	ccaaagagca	acgcttcctc	tggtgggcan	60
ctgattctta	tctgtacatg	ggacagggcg	gngggncang	ggggggggag	ttcttaaact	120

<210> 157
 <211> 356
 <212> DNA
 <213> Mus musculus

<400> 157						
gcaaggtgag	aaaattatto	tggagttcct	gtcgaaggtc	ttgcnnggtgc	cctttactgc	60

catgtcggag	gagagcatct	ccgcgaagct	gaagcaactg	aaagccgagg	tggtcgcaaa	120
gaacaacagc	ttcgtaaaacg	agatcatttc	acggataaag	gctccggctc	cgtgagggga	180
cagtgggtgg	gcgtagcncgg	gggagctcac	ctttactgtg	tgctgttctg	ggtagtgctc	240
cccactggaa	cctggcctag	cagcatccgg	aagtgttttag	tgatgcttga	aaacattacc	300
gtctgtagct	gggcgctgtt	taaatgggga	cgggcancgt	tgagcactat	gctgaa	356

<210> 158
 <211> 152
 <212> DNA
 <213> Mus musculus

<400> 158						
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caactgtacc	ctgttacttc	tgcttcagct	ctgacctttt	ccgtcctctg	taaatacaat	120
aaaaccccca	ttctcatctg	caaaaaaaaa	aa			152

<210> 159
 <211> 572
 <212> DNA
 <213> Mus musculus

<400> 159						
tcctcctgat	ctggaagaag	ctgccaaaac	tgaggctgag	aatacgatca	cctactcact	60
tctcaagcat	cccgaagccc	tggatgaaga	aacagagcat	gattaccaga	accacattta	120
gtctcccttg	gcattgggaa	aagcaagcca	gaaaggccag	gatctagtgt	ctcctgggtcc	180
aagggatgct	gtagatatta	aagaaaacat	ccagagtcac	ttctgtgagt	cctgaaacca	240
acagacacta	agagattggt	tcccagtggt	tgactgtact	aatgactccc	ataacttaca	300
gcttcccaac	tcaagactct	tctgctatcg	atccacactg	ccactaaaat	taatcaactt	360
actgccgtta	agagactgca	gcaacgtggg	aactgcttat	aattcacgct	aagataagga	420
gaacaattaa	tgttaggatg	catcatctcg	gtgatgataa	accagacttg	taccaacctg	480
tcaaaggtga	tgcttcttta	taaggaaactt	caattttttt	tattttttota	taaaggncgc	540
atggtacttt	aatagtaaaa	tgttgtaaaa	ac			572

<210> 160
 <211> 207
 <212> DNA
 <213> Mus musculus

<400> 160						
aaaggttata	aaaagaaccc	aacctctaaa	cctgggaaga	acagtgcctc	agaggaagac	60
catctgcctc	ttcaggtcct	ccagtcccac	tgacggtcca	gatgcggcag	cagcaggctg	120
gcagggtaga	gtagggaatt	ttgccagcca	cacccgaggc	tactgaattt	tggtggaaat	180
ataaatattt	tttgcataaa	aaaaaaa				207

<210> 161
 <211> 121
 <212> DNA
 <213> Mus musculus

<400> 161						
ttaaggaatt	atcctctagt	gaagtttccc	tgtgaagact	caaattctgat	tttctgagca	60
tttctacca	cagctggaag	cagagctgga	tattaaagga	gctacctctg	aaaaaaaaa	120
a						121

<210> 162
 <211> 167
 <212> DNA
 <213> Mus musculus

<400> 162
gactgagatg aggtcagcaa gacccagana gcnncctggg tttgaccnga ccacaagccc 60
ccctgaagat gtattctaca aacccgggca gctgggtcac ctttgatgat gaccctgctt 120
ttcaatcttc tcagaaaaga aaggattttt ctctggaaaa aaaaaaa 167

<210> 163
<211> 320
<212> DNA
<213> Mus musculus

<400> 163
ggagccggtg tggcagcagt accaagatgg tgcccaggac tgaagctaag tcttatgact 60
tgtatctgac ttcttcatac acctgaaagt aagccacgan catcgtgtga actgctgagg 120
tacacatga tgcaagatcn gaccatatga cangtgatga ttctggctga tggactgctg 180
ntacatggac tgnngctgatg gggcgtggnt gaggggttgt ataagggtt gcaattggcg 240
gcgaggnga angaaanatt actananaga ntgantnctg nagaaagatt cctgnntgca 300
tgttgaaag ttctgaata 320

<210> 164
<211> 476
<212> DNA
<213> Mus musculus

<400> 164
actgaggttg agtgaggatt tgccatgtcc caggcattag cctgagtga acaggaagt 60
cgccctctca ggaactgatt tgagaccccg agactccctt ccatgatgct ctcagccacc 120
atggaaacac cggaagcctt ctgtctgcca agccctgacc tgggcgctag ggagactgat 180
gaattgatcg gacatgacat tcacactcca gtaggctggg agagcatacc tgaggaactt 240
aacacagtct gcagacttac tggagacggt ctcatgtagt ctaggctagc tatggacttg 300
ctttgtaggt acagataggc ttgattttcc ccattttttg agacatggtc tctctatgta 360
acccttggtc ctcttggaat tctctgtgga ctaggctggt tttgaattta cagaaatcca 420
cctgcctctc tgccctctctg gtgctgagat taaagggtgng ccacacaaaa aaaaaa 476

<210> 165
<211> 450
<212> DNA
<213> Mus musculus

<400> 165
agtaatatcc attatgactc agggatgggc tctaaactnt ccttctgttg gaggtcantt 60
caggggtagc gtttgcctaa tnnttagcgg ggggaagatgc tagtgcncaa gatctgcnat 120
gtacactnnc ccctggactt catcgccagc aagggagtcn anctgggtgc catcngggcc 180
taaaanattg tggatggccn tncccganac nacctgggag tgatcnggac catcatcctc 240
agatctgcca ttccacgant tctctgtgga atanactctg cttgngaong accctcctct 300
ggtgccatna taaatanncc ccctntgana agcgtcacnt ccccancttc cttcnongct 360
ggaaangnca ggntggcctc caatgctntn tncctccggt cctnctgctcn anttnatttg 420
agtntnataa nctntcgtaa cggattaccc 450

<210> 166
<211> 429
<212> DNA
<213> Mus musculus

<400> 166
ggtcccagac agcatggggg ctcggttctt cctggctcta ttcttggtca tctgatgtt 60
gggaaatgag gtccagggga accaggaaga tgactcgggc agcctggctc tgctgggcac 120
ggtgcanggc tccctcttaa gttactggac ctctgccaaag gaggttgcca aagacctgta 180
ccagaagaca taccgatca gcatggatga naaattnagg gacatgtaca gnanaagctc 240

ggcggncatg	agcacttacg	caggcatttt	tacagaccag	ctccttactc	tcttgagggg	300
agagtagctg	ccaaagcaag	ccccagtta	ggggaaagga	aaacctgatg	acagacaccg	360
cgctcttttg	ctcgcgtcac	cagaccagga	tggncctaca	ccaccctgtc	ccaactggtc	420
cgctttctg						429

<210> 167
 <211> 106
 <212> DNA
 <213> Mus musculus

<400> 167						
aaattcttgt	ggataaaaaca	cncaatggat	nntgtaagga	agcagcctcn	cgcttacgct	60
tccccngcc	cagatctttc	ccancatggg	aaatatcctc	cctctc		106

<210> 168
 <211> 286
 <212> DNA
 <213> Mus musculus

<400> 168						
gactgacgct	acttggcctt	tgagctatga	caaagacaac	tgtgatgtac	aattccaccc	60
agagatactg	cacctacagt	gtgggtggatc	ggaagnaccc	aggaagacc	tgctcgagttg	120
acagctggac	tatgtaaagt	tgcttcgtgt	gggccccaaa	gtggagtaac	atttgaacct	180
tgtatgattt	aaattttacca	atcataagct	tgcaaggagg	tgacctgtaa	tcccagcact	240
cagaaggcag	aggcagcata	tcttgaaaaa	ctcaaataaa	taaaaa		286

<210> 169
 <211> 419
 <212> DNA
 <213> Mus musculus

<400> 169						
cgacctactg	ctcaccgccc	tcgncaccag	ncgtncggca	cctccgncac	cactaccagc	60
acccccaccc	cagccacagc	agccccactt	cctcccacca	ggctacctct	ctgctctcca	120
cttcttgcca	ccgcccgcac	cgccaccatc	tccaccatct	ttctcgctga	cctacgatac	180
agacaaggag	aataccaang	accaggatgc	agaagcacc	accgagccca	gccaggactc	240
tccccaggag	cagtccaact	aagctgcang	ccacctggaa	ggccaccggg	tggnagcggg	300
catagatggc	gggggttatt	tttttcacca	tggtcatggn	atnattagga	agaaagggat	360
actgatangg	ngtaagaagg	caggcggaat	ncctactnca	ggntagaaag	ggcacaagg	419

<210> 170
 <211> 567
 <212> DNA
 <213> Mus musculus

<400> 170						
acaccattca	agcttgcaga	ggatctgaca	agatgaagcc	cagacatgca	cctgaaggca	60
cgggaggctg	ctgtggcaag	aggaaaaact	gctagatcta	cggccagcgc	ggagcccacc	120
gggctcaaga	gggtggctaa	aggacagtca	cagaggcttc	ttagcctgct	cttcgccagt	180
gcacagatta	tgtgaagggtg	gcaaagccac	cacaagctag	accactgcta	agaataagag	240
tgacttttag	aggatgttaa	ttgaagggtc	acagcaaata	gcctgctttt	ctattttctc	300
atctcagagt	tctgggtgcca	cctagtgggc	agaagtanaa	cttggaagcc	caaggtttac	360
tcaaagggcc	aaaggcatca	tcaacgttgt	gagaattatc	ttcctttctg	cctaccacag	420
gacacctctg	ggttcttctc	tgtggttacc	aggaancaca	gtacttacta	aattttatgct	480
aacctgaca	aaanattgtc	actccaaatt	tgctaggaat	tattcttttag	gttgctgtct	540
gcaatttttt	tctctgtact	gaatgaa				567

<210> 171

<211> 239
 <212> DNA
 <213> Mus musculus

<400> 171
 gtggcaggaa gaggantagt gcnggagagg agatggagag aaaactgggc ctgtcctgtg 60
 atgcacttct gccagcaang ccacgcctcc cagtccttga agtgtcactc cctgaagatg 120
 aagcattcaa atatgagtcg atgagagcca ttcttgttca cgtcgccata nttgtggagg 180
 ttggacccag cactcaanac tggtataaag aattttttgt ttggttttaa aaaaaaaaaa 239

<210> 172
 <211> 279
 <212> DNA
 <213> Mus musculus

<400> 172
 tggtcctaac aatgcggtta cggagcgcgg ggtggcgagg ccagagggtca gatccagaca 60
 ccttatgtac tcgagatgct acctgaagag tcnatgatca gcctcggatc gatcaactct 120
 ctccagagca cggatgatct agggaaaaaat acaaaacacc acacttaatt cattcttgac 180
 tccacgtang ctnaaaacta tggatnagtt nagcaagttt ctgtgaagaa tggtttagatg 240
 atgaaaatac tttcaaagct gataaaactg agtttaatac 279

<210> 173
 <211> 631
 <212> DNA
 <213> Mus musculus

<400> 173
 tggacctgag cagactggaa gccangatgc ggctctggat ggcatcaccg tagctgtgga 60
 ccgggcaacc tgaatgtgga caagcaaaac ggcgtatgaa aaaactgatg tantggggca 120
 agctgtaaac agccaccctt gccatggctc tgctgatctt attgctatta gcccttttcc 180
 ttccctctga gancgggaag ccattctggg tactgtgaaa ctatgaagcc ctacctggga 240
 atacaccttc ctaggatggg ccaggagaag ccacaatatg catgaacatg tatgtttccc 300
 ggggcccctaa ncatgaaggc catgtcctgt tcangcaana atcgccaccg tagcgtagcc 360
 atccttctctg tccacactga naaccggcg ttgaactgcc attgtggcat catgttgtca 420
 catcatattg tcactctttc accatttttg ccaaacagta aaaaaaatg tcagtcattc 480
 tgggtctggc tctgccatcc acttgccana aacatcaatt ccccttcnaa tgotgtgtgc 540
 ccccttgcca ctttctctgn tcatcagtta aaattctgtt ancaataacc cctgntttnc 600
 cttcctaaaa aatgtttatt ccaatgaatt t 631

<210> 174
 <211> 723
 <212> DNA
 <213> Mus musculus

<400> 174
 cgggccttaa tccaacntgt gtatcctatg aggtcngtgg ctcaatnnn gtgtgtcccc 60
 aanggaacct cctgtnactt tgccagtnca tttctatnag ancggaacac tnttggtctg 120
 tgtgtcnaen gcgtcnggtt tgatantgan ccttcancat nctnctcatg cncocatana 180
 ttaccatttt ggactctgtc actaaatcac ataagataca gtanccncat ttgctattca 240
 atcctaagcc attttgacac cctgctgggt tnatattttt aatnttattc aatttttggt 300
 tttgtttttt aaaacaaaat ttctctgtga agctcttctt gtcctgatag taggtataga 360
 aaccacataa gccagctgac atagttttgt gcaataagca tatagttttg tgcagcnttc 420
 naccacatct ttaattttga aaattgggca aatatatagg ttatattna atttctaagg 480
 anggcataat tcataacatc aatgctatcc aaggcttcaa aatcattgga atgcntggtn 540
 aactaantct tttggttggt cnaaaaatgt tgaataaatt ggaattttng ccnntgtnc 600
 tgganatanat nacatatntt cncncccttn agaatgtcac aaaaanactc anaacncccg 660
 aactcengta anggttattg ttgaanccca tntctnctn aaattgaccc ccttgaagaa 720

aaa

723

<210> 175
<211> 653
<212> DNA
<213> Mus musculus

<400> 175
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cagggatgaa gcttcattta cctctgaatt cgccgttgcc tggaagtga ttgaccaagg 120
aaccttttctg ttgggatcag agactatttg ctttagtgct gcggttgcc ggaccatgt 180
cgggtggaatc agaacagttg acaggtgtgc ctttgatga ttctgctatc acaccaatgt 240
gtgaagtgaac aggaggcggg tcatactctg tatgttctcc aagaaatgct taatcagtgt 300
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ccagatcctc cccctgctga agcagaaggg cagccagata tatcaagacc ttttggatct 420
cagccttggc atagctgtca caagctcata tntgtcagac cnnatcctaa aactgggggt 480
cctataggcc attggccctg ttccanantc tttttggcca gatcagaatt ctccaacact 540
accacctccg tacatctcac ctgtagtgaa attttccngt tccanactgt naccnatggg 600
tattgancaa ttgccttttt gaacaatata atttgaacct tccccctga ctc 653

<210> 176
<211> 228
<212> DNA
<213> Mus musculus

<400> 176
ggaatcaact gaggtgccct acggaagaac aggctgaaaa caaaaccgga ctactactga 60
tgcagcagct acttggctgc acagcgagaa ataaacctac agaattgtca aggaaatatt 120
gctaaaaatat ttttgaataa tttgatattg aatcattaca tttagtcaaa aaattcagat 180
ttctagaaaa tataaagttt ttttttgcg attcctcaaa aaaaaaaa 228

<210> 177
<211> 520
<212> DNA
<213> Mus musculus

<400> 177
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atccttttgta ctttcataag ttcatcagtc ttttaaagag gatgctgaaa tctttttttc 120
tgatcttcag attagacagt catgttgcta tgggtggtgc taagattcta acagcagtg 180
aatttgaaaa caaacactgt gctcanggtg tttttcagca cacaccaa atcccaactg 240
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tanctggttt ttaagcggat tatttacnac nnaatttcac cagaaaaantn tcngttggcc 360
ttgttgaatg cagctttttt ttgaaggccg ntggaccctn ctcttttctt tgttgnaacc 420
nggataaggg gccgcctgtn ctggtcccaa atcncnctg ttacnctggc gnttccaana 480
atttccnct ggtaaggngt naagcgcct gtcccttccc 520

<210> 178
<211> 403
<212> DNA
<213> Mus musculus

<400> 178
gatggcctgc agtggagga acattcggaa agcaccgact tatccttaac aagcaacaat 60
aaaaagccac taccctgtca tggaccggg agacggctca atgggttaact cgtgcacgat 120
tgaggatctg aactcaagtc ctcaagaagc acgaaaagcc ggattcaaaa gcattcacat 180
ctgtaattcc agaggctgtt tggggagaca ggaggcacag acaggacagt ccctggaagc 240
cagtggttca gcttgctggt tgtacacag ccaacaaga gacggctgtc ttaaaacagg 300

agcagccctg atgtttgccct ctgaccttca cacccttgt gcttgcatta aaaatatgta 360
 ttttatttag aaataaaagt atgcgtactt gagaaaaaaa aaa 403

<210> 179
 <211> 497
 <212> DNA
 <213> Mus musculus

<400> 179
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 tnccactgac cagtcttccc tctnaatgnc gtggnacnng tccnntntaa gataccacat 120
 ccttctnatn agttcatnat gagtggttgc ctgttgntna nnaagaatnc ggaactgnac 180
 cccaacacca aataganaan atctcagact gangatnant tnccagatag tnatgagnga 240
 tttanggan ctcacaaanc naacnactnt gntgactcnn aaaaccttcc canaagggcg 300
 tcatcggtg gcttccantt tcttttctcc cattccccca gtgctactaa tggactgtca 360
 gtaccacagg tnagtctgta tgagtengac gcccancna ntictaatgt ggctcttcca 420
 aaactacaag cctggctaca tcngtgacag ccncaaaggg aaatttggtt ggcttggtaa 480
 actatcccga tgatgaa 497

<210> 180
 <211> 106
 <212> DNA
 <213> Mus musculus

<400> 180
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 gccttgaaa cttcccgctg tnttaagaat ggaatgtgtc agtgaa 106

<210> 181
 <211> 141
 <212> DNA
 <213> Mus musculus

<400> 181
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 agtgcacacg ccatcgagcg angtttgag gcatacggag gagggagctg cttcatacag 120
 tctacttcaa gtaaaaaaaaa a 141

<210> 182
 <211> 213
 <212> DNA
 <213> Mus musculus

<400> 182
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 aactccaaag aagtaaagga ttgtccagtg tgttctgaag cgtgtacaac ttaggctcaa 120
 gcagataacc gtttctgatt tataaaatgt taattgtaaa atctaattta caaaactgtt 180
 ctcaataaag tccttgaaat aggaaaaaaa aaa 213

<210> 183
 <211> 467
 <212> DNA
 <213> Mus musculus

<400> 183
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 tccggtctc ggatcatntt gtancaccna ncnntcncc acnctgangg cggntcgcta 120
 cngcccccta acggggggang gacgtaatta catccctggg ggctttgggg gggggtgtc 180

cctctagaac	cccatcctca	ctgactccgt	cctggagttg	gatgaaanat	aatggcctta	240
cnttntgcca	ggggagggtc	gggctggatt	tancaaaatt	tacctttctcc	aaananccgt	300
gctgcagtg	cacagctgcc	cacggagggtg	gggggggtccc	cgcccttgga	ggtgatnaaa	360
aatgtgggga	tntggcactg	agggacatgg	ccnntgggca	cngtgggtgg	ggtgggggtg	420
gtcttggggg	atcttggaag	gttcccgggg	atctagggat	ctaggga		467

<210> 184
 <211> 241
 <212> DNA
 <213> Mus musculus

<400> 184						
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gcccgggctg	tccccgcacg	ctgccggctc	ggggatgcgg	ggggagcccc	ttcatctgcc	120
tccctttccc	accatccacc	cctccatttt	cttttcagaa	aatggctgaa	aggcgaaagg	180
ctggctctac	caccaccacc	acccacacac	acacacatca	accagccatg	acatatcatg	240
t						241

<210> 185
 <211> 167
 <212> DNA
 <213> Mus musculus

<400> 185						
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gtgagccacc	atatggtggt	aagaactgaa	acctgggtct	tctacaaaaa	acaagtgttt	120
tgaaatgctn	agccatctcc	ccagtgccta	cattaaaaac	aaaaaca		167

<210> 186
 <211> 200
 <212> DNA
 <213> Mus musculus

<400> 186						
taggcgattg	tacaatcngt	nacacctgta	gaggtggagc	tnaccnntcg	nggttaaaga	60
gcacanaacc	cttcctggaa	ttcctctnnc	ttacantaata	anctgggcct	gtgattctac	120
cacgtgtctc	cnttcccaaa	tgcaaagacc	cctgcatnca	ggaanattctt	ctgaataaat	180
gctttttgct	tttgcatact					200

<210> 187
 <211> 352
 <212> DNA
 <213> Mus musculus

<400> 187						
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aggggcatgg	tgacagtgca	gagccaggga	accagagtc	agtnactcct	gccaaaccatg	120
gaccctcgac	ctcctgtgct	gtccctgtat	ccagaactgg	gccacagagg	tttgtagagc	180
ctgggacagg	gacacaccag	agctnaggcc	gcattgcttt	tgtcnaagtc	tcctcctctn	240
actggtttca	ggaaatcaag	aagtttgaat	cacatactca	ttttacttga	aattatgtcn	300
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<210> 188
 <211> 962
 <212> DNA
 <213> Mus musculus

<400> 188

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tggccttcct	gctggacatg	ggtgagctgg	acggcaagat	ccagatcatc	ctgaaggagc	180
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cttctgtgtc	agctgttact	tgaaatgcct	ttctttggga	aagaggcttc	gcaagcaacc	300
aactcgggtg	tgtccaagcc	agggagagac	caagaagggt	ccaggatcta	aatgtcccac	360
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aacacagacc	caactgcctg	ctttctcttc	taagtcccgc	tgcagaggcc	cttacagggg	480
acgggggtca	caccaccttc	tctgcagggc	tacaccgcgt	gtctcgatcg	gttctgacgt	540
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cctggaccag	gggaaccnaa	aattacccct	tttgccaan	cttaacctgg	gttgggnanc	780
cccaattttc	cnttnaattt	taccanggtt	ttttccaatt	ttattggngg	gaattntttt	840
attnatnnat	tanntantna	tngnggtnaa	aggtnnttan	ttaaatttna	atgggncccc	900
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ca						962

<210> 189
 <211> 163
 <212> DNA
 <213> Mus musculus

<400> 189						
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<210> 190
 <211> 427
 <212> DNA
 <213> Mus musculus

<400> 190						
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tcacagcatg	ataatggtgt	ttcctccaat	tggtttanaa	cacctacact	canagggtgac	300
cctccctgag	tgcttgggtt	ctgccttgtg	ganaaagcag	gacggagacc	ttgcccccta	360
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aaaaaaaa						427

<210> 191
 <211> 397
 <212> DNA
 <213> Mus musculus

<400> 191						
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ggaccctaaa	ttctgagcat	agagaagagc	ccatgagttt	atcaagacat	ggcacaatg	180
aggggacacc	cccagccact	cagtggcagt	acctcaacag	agtcactccc	ccagtctgtt	240
gtctcccttc	ctctaattcc	tgctgggatg	accacgcac	cctacctgcc	cctcttagct	300
cgcaggcatt	tgctccttgg	gacccctctt	gggtctcttg	ggagccaagt	gccaagccct	360
gcatcatg	ananccata	aagcttgtca	gcaaga			397

<210> 192

<211> 141
 <212> DNA
 <213> Mus musculus

<400> 192
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 attggactca catggcttct ctgacccaca accttcctg gaaataaaga gccccagctt 120
 ggagtttcat taaaaaaaaa a 141

<210> 193
 <211> 159
 <212> DNA
 <213> Mus musculus

<400> 193
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 gtatgctata ctgaagggtg tcnngnncnt ttgacctgca gnctcaagct agcttatchg 120
 agaccgtnn acctcngacc tcnagaagga gcgagggca 159

<210> 194
 <211> 149
 <212> DNA
 <213> Mus musculus

<400> 194
 aagcatagct actcagagag tcgtccctcc aaaggaactc ttccgcgtga agcccatctt 60
 ggtacatctc tggacacgac tgccccagcc actggagtag tctagccatt gtcccatcct 120
 gtttattaaa acgtttgaaa agaaaaaaaa 149

<210> 195
 <211> 114
 <212> DNA
 <213> Mus musculus

<400> 195
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 gaaggaagta tggccatttg tttttaatac attatctagt caaaaactaa aaaa 114

<210> 196
 <211> 121
 <212> DNA
 <213> Mus musculus

<400> 196
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 catccgaaac gctgcacaga ggccactggg ggagctatct taaataaatc agtttccatt 120
 g 121

<210> 197
 <211> 171
 <212> DNA
 <213> Mus musculus

<400> 197
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 aagccctgtc ttcagccaaa gccagccac caaggagaag ctgaatagat ttgaggatga 120
 caacgaattt aaccttgtct atgaaaatct ctagaatttc aaaaaaaaaa a 171

<210> 198
 <211> 154
 <212> DNA
 <213> Mus musculus

<400> 198
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 gataaccact gagaacacact gctccattgc cttgcccact gtcaaagctt ggcctacact 120
 gtggataaat agaggctacc cagagaaaaa aaaa 154

<210> 199
 <211> 119
 <212> DNA
 <213> Mus musculus

<400> 199
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 ctggctggcg aagggcacca agaattgatt gtttgggggg ggcgggggag gaatggtgg 119

<210> 200
 <211> 154
 <212> DNA
 <213> Mus musculus

<400> 200
 cctgcgaaac gactgggtga ctggccggag gatgtggctg ctcttggttc tggctaccct 60
 tgtgtcctct gggaacccca catccctgtc agccagccca tgccccgcca gctcatggag 120
 ctcaaagaaa taaaatgaaa aacaaaagac tcag 154

<210> 201
 <211> 460
 <212> DNA
 <213> Mus musculus

<400> 201
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 ctctcaggtc ccagtctctg agaataaacc ggaagaactc cactatgctg ctctcaactt 120
 ctcccgcctg agactgcagg agaccagga tccccaagac acctattctg attacacaga 180
 ggtcagagtc cactgagggt gtcctggggc ttaggactga gacctaaatg gtaaagtagt 240
 taaggagacc tccaaaagaa agcagatgct ctcccttaaaa ataatcctgg gggtaggggg 300
 tgttaaatat gtgtgccacc aagcttgatg aactcttaga ttgatccoga ggaccgcat 360
 cgtggaaggg acctccaca aactgacctt tgactcccca catgtgcact gtggctcatg 420
 cctatgcatg cacatacatg taagttaata aatagatgtc 460

<210> 202
 <211> 151
 <212> DNA
 <213> Mus musculus

<400> 202
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 tctccctttt gttatctcaa gttggacaaa agctgctgtt gtgaacttag tctcaggtgt 120
 caatatcctg tcctntgcc aagagagtt g 151

<210> 203
 <211> 247
 <212> DNA
 <213> Mus musculus

<400> 203
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 accgccgacg ctcaggatcc ccggacaatc ctgtgccttt ggcggtgtgt ggagcgctct 120
 cgacgttaaa gcccgagtaa tagacgaagg acttgtttca atttcaactt cacaaggatc 180
 cttttctaata cactcctttc ttccctgatt ttttttaatt aaaaaatata gatcaaagta 240
 aaaaaaa 247

<210> 204
 <211> 163
 <212> DNA
 <213> Mus musculus

<400> 204
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 ccaccagaag ttttttggtg catttntctc tatggagtno tgacaaatga agctcaatta 120
 cacaacgtaa ggtgaaccaa tacatgcact gtttagcgaag act 163

<210> 205
 <211> 582
 <212> DNA
 <213> Mus musculus

<400> 205
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 agggcatcct cgacaaggaa gaagccaacg ccatcaaacg catctacagc agcctgtgaa 120
 aatggcgggc agcttgagcc ttctgttgt tccagcaaaa acaatatagc ttacaaacta 180
 attcggcggt taaaggggta ccagcccaga agtattagga tgtgctgaat ttatagtagt 240
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 agctgtagag aagccgaggt ttttctatat agaatcctta ttctctcttg aatttacatt 360
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 ctactcccca ctgtcctcag cccctgaag ctctgagagg ccctgtctcg gcatgctaga 480
 cacctgagca cctcactgga tgtttgtcat aggatgtcgt ttccactagt cgatctctgt 540
 tgggcacgga aataaaccce cgtctcttca tatccttgaa aa 582

<210> 206
 <211> 173
 <212> DNA
 <213> Mus musculus

<400> 206
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 accccaagat ccattcgaag aagatggaga agcatgttat aatccatcta gatggcggaa 120
 tattacatag cagtaccaat agataaatat agctttgtgc cacaaaaaaa aaa 173

<210> 207
 <211> 105
 <212> DNA
 <213> Mus musculus

<400> 207
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 cataatncttg nattaaacat gtgaactttg agcagaaaaa aaaaa 105

<210> 208
 <211> 222
 <212> DNA
 <213> Mus musculus

<400> 208
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ctctctctgc tgtctgaatc acagcagggc accttgagaa gatgctccct ctagcttggt 120
aggatgctga ggggaaagag tgaggcaaag cctgggtaat gccatatccc tcaactcact 180
tcatgaaaca tcctaataaa agtatttcta ctaaaaaaaaa aa 222

<210> 209
<211> 237
<212> DNA
<213> Mus musculus

<400> 209
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actgaacttc ctataagtaa cttccaccac actggtttct actctcagaa ctgccccagt 120
gcttgctggg tagacttttc atctaagaca gtggattttt naaaaagacc tttttctat 180
tgnttgagaa aaatcattgn ttcttggtgaa actgcgtgtc ttccctaaaa ataatat 237

<210> 210
<211> 220
<212> DNA
<213> Mus musculus

<400> 210
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tggccacag tgtatgggtt gggccctttg atgtatcaaa gcctttgatt taattctggg 180
tggggctgaa taaacaaaa cctggggggc aaaaaaaaaa 220

<210> 211
<211> 257
<212> DNA
<213> Mus musculus

<400> 211
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ctnttccttc agagactaag ggactggggg aatcacacag aacgngnag aatgtatnta 120
cgntctanaa aagagcctac gctctatcta gctctccgtg ataaacatca ccaaagtcta 180
ctgcatacct ccccaacctt tctctgttta aaaataatta taataataaa gcatttataa 240
tctttcaaaa aaaaaaa 257

<210> 212
<211> 101
<212> DNA
<213> Mus musculus

<400> 212
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cagaaagaaa ggtctgggat tctgcaaata accccttcag g 101

<210> 213
<211> 154
<212> DNA
<213> Mus musculus

<400> 213
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gcttgccgcc ctaccattct gccactccca ctgctgaggc ctgctgcttt gctgntccag 120
agtcaaacac gtggncacct gcaactttac tcca 154

<210> 214
 <211> 181
 <212> DNA
 <213> Mus musculus

<400> 214
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 catgagcgac aggaccagcc ctacagcgac catggatgtg ccgcgatcac tgcttcttca 120
 cgaataaatt caccctcgaa ctgttaaata aataaagcct actgcagccc aaaaaaaaaa 180
 a 181

<210> 215
 <211> 160
 <212> DNA
 <213> Mus musculus

<400> 215
 agagagtga ttagatgtat cctttttctg tacatgtttc catgggtatgt ggcaaaaatc 60
 acactcagga tgtgaccagg tactgcaggg ttgcagtgtg atgcaagcat ggcagttgtc 120
 catcagccaa taaacttcaa attgacttga aaaaaaaaaa 160

<210> 216
 <211> 163
 <212> DNA
 <213> Mus musculus

<400> 216
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 gtatgcnata cgaaggatn angnaccncg ggaacctgaa gagccanggg ggggtgcacct 120
 ttctactgga ccagganatg atncccccg aaatcgggtc ccc 163

<210> 217
 <211> 552
 <212> DNA
 <213> Mus musculus

<400> 217
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 gtttcanccg nggcctatgg ctgcttagtc ctnaacatgt ctgtcctaaa gcatctttgn 180
 tottngnggc ctacagatgnc ttttatctct ggtgcccaaga ggggcaatnt ntgacctcca 240
 cctgcctana caagaaaagc cctaggacag tccaatggaa gaggtgttcc cagctccgta 300
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 aatccctttg ggctaccagg aatgtcctgg tccctggtctg agtactgtgg gagccccctca 420
 ctttgtctcc ccagccacta gggccccagg ccagacatgt tgaagaaaga atcttgactt 480
 cagaaccaa accttagggc ccattccccat ggcctctggt gtttcaataa aggntggttt 540
 gcaagaaaaa aa 552

<210> 218
 <211> 211
 <212> DNA
 <213> Mus musculus

<400> 218
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 ttgctgcttg ctgaagatat tctagctgcc ctggagtttc ataatgggaa gctgtgactt 180
 ggggtgtcaat aaagagagtt tcaacacctg c 211

<210> 219
 <211> 200
 <212> DNA
 <213> Mus musculus

<400> 219
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 tttcatggaa aggggtgaatc agtgaatcga cttcggattt gctgggttaa atatgntgac 180
 tgttgaaacg acagtgaatg 200

<210> 220
 <211> 127
 <212> DNA
 <213> Mus musculus

<400> 220
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 aaaaaaa 127

<210> 221
 <211> 456
 <212> DNA
 <213> Mus musculus

<400> 221
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 ggatcctctg tggcaagacc angataataa tgggggacac tgnatctgg cactgnggnt 180
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 tcaaaccggc catcangaga ctgaaggaaa ttaaagacca ntanaagtgc tactgtttga 300
 gcanccntgg cctgcaatan atganttcac tcctatgaan ggttgnanta nagtgttggt 360
 ngantannnt ncttcaaact ggagtgcgcg gnaccttnan aagaccttan cccccagacc 420
 agcttngcca gccctccaca agccccacc agaacc 456

<210> 222
 <211> 284
 <212> DNA
 <213> Mus musculus

<400> 222
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 ctttctatcc gactaaagaa aggaatctga aactctgccc tacagtgatc tgagcatgag 120
 agcattttatt gaaaaaaatt tttcccatct gagacctcca atttacagaa gagccagaag 180
 cctctatggg ctttcttccc tactgacatc aacaccagc ctattgaaaa aaaacttaaa 240
 actttgggtt aaggtnggaa ggtggngat aatggacaga cttta 284

<210> 223
 <211> 244
 <212> DNA
 <213> Mus musculus

<400> 223
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 gntggatcag aacgaaccca ggaaagacnt gttgagntga catgangctc tatagaaang 120
 tccttgcntg tgggnccaaa agtgnagtnt natttnacct tgaccgatca atgcgaccng 180
 tcatangett gcatggaggt nacctgcact cctagcactc ntaangcata ggcagcatat 240

cttg

244

<210> 224
<211> 208
<212> DNA
<213> Mus musculus

<400> 224
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aagatgaacg atcagagaca gccaaactccc gagtctgtgc tgacgtcctc actgttnagtn 120
nttgctgcct aattcnaata aagatnntgt ttngnnnnan natcacattt aaaacaaaga 180
nctaccaccc tatcatcgat gagaagg 208

<210> 225
<211> 257
<212> DNA
<213> Mus musculus

<400> 225
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gaagggggtg caggtctgct cctggcccag gactagctgc tcctccattg ctctggggcc 120
tgggtgctct gcgcatgtcc atggagttct tgggaatcac gttattttca tcttctcttt 180
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aaccagaaaa taaaaaa 257

<210> 226
<211> 329
<212> DNA
<213> Mus musculus

<400> 226
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gaggacacac tcctaagga agaggcaata ggagcagaac ggaggagggg aaagagcaga 120
gcgtgaaaag tcaaggtttc ggggcctttt ttggtaggag gcctgtgata aggttcttga 180
ctgaacaacc tggccttcta gagaaaaacct tccactgag acaactctcc tgcgggaggg 240
tttcagagca gcggcctgca gaaaggaaga gatgtcatcc ttgaatggat ctaatcagag 300
agggtgctgg cctcagaggg gggggggcc 329

<210> 227
<211> 538
<212> DNA
<213> Mus musculus

<400> 227
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ctgcaaaaat tttccctaaa ggctctggtg gagccaaaag accttgatat caagcctgtt 120
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tttctccttt taatcattca aatcaaagta attgttctct ttttttctat aaacagtcta 240
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cagctgtcta taaactaggc cctaagcaca actgacacca gatccacaag gccctcatca 420
gacgccacct gcaagcagct gcgtgctctt ctgtggcttc agaaatagaa ttatatcttg 480
gcactgtttc aatagagaaa ttaatgtacc agcccacaca cattttccta ttctcacg 538

<210> 228
<211> 252
<212> DNA
<213> Mus musculus

<400> 228
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ncanccagga agtgntncnn atntttctcta ctattacgca naagaggaac actatcggcc 120
cnntgacntc cccgacagat tctaagntac cgnnggatgca gccacaacg cctgtatnct 180
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ctttgaaccc ta 252

<210> 229
<211> 207
<212> DNA
<213> Mus musculus

<400> 229
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gcccagagctg cttccagcag cagtaactcg gtctgttaag gcagcgccctg cacagccctgc 120
acactctgca ctgccttctt tcctgtgtct ccaggccctca atgttccctt tctgcaaaat 180
ggaatctatc tataaagata tctgaaa 207

<210> 230
<211> 419
<212> DNA
<213> Mus musculus

<400> 230
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cgtcagagggc tgagatgctg cgggaagtgt acctggtgct ctgggtcatc cgcaaacaac 120
taagagagct ggcccgcagg caggagaggc gaagacggcg ccgtatgtgg tctcatccct 180
cccatacttc ccgtcactct gaaccagtgc agggcctcaa acatgatgcc cgaagtcctc 240
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caggaagggt tcaatggcca tcaggccaga gctactggtg aggagacatt cgaccatact 360
gccacatctc actggagccc caagaccagg cctggggctc aacacacttc ctttctctg 419

<210> 231
<211> 231
<212> DNA
<213> Mus musculus

<400> 231
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accatggaca ggacnanatg ggcnnancgt ttnccanagg tccctgantcc aattcccagc 120
atcccacatg ggggctnaca accatntgta atggngangc angcactntt nngggngtg 180
cttgaanaca gctacagagt actnatataa ataaaagtaa ataaaagaaa a 231

<210> 232
<211> 365
<212> DNA
<213> Mus musculus

<400> 232
ccaccctcct ccctgcagag agggcccatg tgcttttatgg gaacacagtc ctagaagacc 60
ctgctaagca actccgtggg ggaagtgcct gtcacccagg aggagttcta atggactgtt 120
ctcttcaacc attgcaaagg gtagaagacc ctgctaagca actccatggg ggaagtgcct 180
tcacccagga ggagttctaa tggactgttc tcttcaacca ttgcaaaggg tcagatgagt 240
atgggcttgg gccctttaat tcacaaaacc agtagaaggc aaagggaat tctgccagag 300
aaccacaaaa catgactgag gaagaggctc agtcagtaaa tgtttgcctt gtgagcttga 360
aaaaa 365

<210> 233

<211> 432
 <212> DNA
 <213> Mus musculus

<400> 233
 ggcatcaaca gagagagaat tcattttacct cacaagcaac tgcaggatga acctatctga 60
 tttgctcttt tcttctatgt gacggcaaaa cagagaggag ataacattca acaaagacag 120
 ccaggaagca cagaaggaca aaagacaagt gcctgggtgg agcagagtca tgagctactt 180
 tcttacttct tagtttctgc cactgactgc caaaatcaca atgcaagctg catctacaag 240
 agtctctctg tccccactgt ggctttgcag tgcaagatca agccaggtag agatccacct 300
 gagacctgga gaaggggcag ccacactgta ggtgggcagg ataggccctc agctaaccac 360
 acccatatta tatctacca gaagttctta ccactgactc atagaccaa ggggtcaact 420
 tcagaatagg at 432

<210> 234
 <211> 180
 <212> DNA
 <213> Mus musculus

<400> 234
 gattgtccta ctgagagttg ctactgccga gcccagttc cctgggagct gcaagccaga 60
 agaaagttcc aaccagactt catcaatctc tggggtttct aaaaccatct tgacccttag 120
 cagtggctag acacagcatt ttccaagtaa agaaaagttg aaaaacctga aaaaaaaaaa 180

<210> 235
 <211> 109
 <212> DNA
 <213> Mus musculus

<400> 235
 gcctgtttgga tgggtcatct attttaatat tggagcaacg taaatggatt gttaaaaaga 60
 tgaacatittt tccctcctca ttaaaaatct tgaaatttaa aaaaaaaaaa 109

<210> 236
 <211> 180
 <212> DNA
 <213> Mus musculus

<400> 236
 ccaaggattt ggcctcnatt gtcctggagt tncaatgctg ntgtganaat aaaagcttnt 60
 caatgctggn acaatgntga aaaanatggc ctctggctg gatcacagct ntatnatnca 120
 tgctgatgtc tgccatgacc tctgtcctgg aaataaaaag atttttagtaa caaaaaaaaaa 180

<210> 237
 <211> 376
 <212> DNA
 <213> Mus musculus

<400> 237
 acaactgagg ttgggatggc taccagctgg ggcaagcatc ttgcaggatg agaagcagct 60
 ggaagaactg gcaaagcagg ccatagaccg ggccctggcc gagggcgtgt tgctgaggtc 120
 cgcacagcat ccagctcct cgcagctnng nncanttang ncantctgnc ncnnccttc 180
 acnaanangn agggntcttt nggnnnaaga ctntgntttn nttatannct taacttacng 240
 ngngntgntg tongccaaaa cccatgcttg ntggagccac acntgtctaa caccatcaaa 300
 aaaggacgac tatactgccc gtntctttga tatctacaaa caangtcctg aaagaaggca 360
 ttgcccacaa cgtgtt 376

<210> 238

<211> 452
 <212> DNA
 <213> Mus musculus

<400> 238
 gtgaggggaac aactgtcaga agaaacagag caccatacct ggtagctcct catgttcagt 60
 ggtgacagag cgcagatgct caagatgcag gaagagaacg acaagttctc ggaggccctc 120
 agggagggca ccgagttcca ctccacottg taccacatga tgaaggactt cgcctcccc 180
 gtggcaatgg agagggtcag gcattcgaac tgccagttca togactcagt gtgctacatg 240
 ctgctgtcta tccgcgtcct cagctattcc tagctattcc tagccottac agcgtgtgta 300
 agcatgggtg acccttatac cgagaggaat caggtatctt tccagtcagc cgctaaagtg 360
 atttaagagc accaggcgtt ccagccacac tgcacaaaga tttgaatggt ctttatttgg 420
 atacatctca ataaagtctg atgcctctca ct 452

<210> 239
 <211> 303
 <212> DNA
 <213> Mus musculus

<400> 239
 cgatcattga gtttttcaan agccttggct gngttaacac tccattnaac caggaaccan 60
 agccccaca tgatgatgat gcantgttgc tgaagngcct ggagaccttt gacnatctgt 120
 aaagcaggag ggccggagaa ggaggagatt aaatggggga ggggagggtt caagtttgaa 180
 taccagtagc tagagttata ctgccttgtc tttcaagact cattgagaaa ggctgcttcc 240
 aaaagccttc ttgatgttct tagtttctgt tactataaag ttttaagagc aatgaaaaaa 300
 aaa 303

<210> 240
 <211> 303
 <212> DNA
 <213> Mus musculus

<400> 240
 tactcgttca gcggaggcca ctggccttag gcggntgcct ggccccagca ccatggntct 60
 gtctcctgtt accaccctcg gtcctgaggt ctgagcatct ctcaagggtc ccaggaggtc 120
 cttggcccat gttcatctct tgcccaagcc ctccagcaagc actgccccac aaccattgtc 180
 cactgccatc ctaccagagc ctggctggat ttgcccctgt tccaactggt aaganggttn 240
 aaaacccttn gcntgtgcaa ggnaaaaaggc ntaaaacctcc atgngcctgg ccttttgggt 300
 tgt 303

<210> 241
 <211> 393
 <212> DNA
 <213> Mus musculus

<400> 241
 ggagcgggggt gcgctggacg caggagtgc ccttccatng cncagaacac caagtncatg 60
 cagactcaaa gcccccatc agagtcttcg agaattaggcn aacgtgaatn ctatagcttc 120
 ttntaatttt tttttctttt agagactatt ttgattcttt gacagtttca tgctgtata 180
 caatgnactg tgannataac acccnattct tncacnnatc tnannnacag gntcctgtgg 240
 tgtagaccga tgaaatgocg ttagggcctt gatgganctt ccttaatttt tttaaacccg 300
 atgccgntat gccacttatg tataaaaatta gtgatgaggc cactagtccg octactggag 360
 tagaaaactt taatcccaga gtaagtaaat tcc 393

<210> 242
 <211> 360
 <212> DNA
 <213> Mus musculus

<400> 242
gccagcccag cggccctgag totgacaaag ccttcatgtc caanncggag ggcaataagg 60
nangnaacag actccggcgc taccttggag cctcagtcac cagcccagat cccctggagc 120
ccaccggga gcagtgtgag cttaaacctg cttgtgacga gctatcagac cagtatggct 180
tgaagaccgc ctacaaacgc atctacggta tcaactattta ggacctgtgc tgccctaaag 240
ccaaactctg gcagctcggc tttggctgct ctccgggaact tgatcctccc tgtcctctct 300
ctctgccctg caagtatgga tgtcacagca gctccaaaat aaagttcaga tgaggaaaaa 360

<210> 243
<211> 325
<212> DNA
<213> Mus musculus

<400> 243
gctgtcaagg agcctggatc ccaggagcga cctgctgtat agaggctggc ctggggcata 60
gaaaccagag agaggagtca acagttgtgt ttcaccccac ctcttgatct gattttctca 120
cagaaagcca ggcaggatct gctacttagg agtccttagt cccacatgga gtcctcagag 180
cttcaggggc tcagtgtctaa ccgttcaacc tactcaaggc atttttagtag gaggggctgg 240
ggcttaacgt ggtgtttgat cgcttcactt gcacttgtag aggacctggg ttcactttat 300
cttacaataa atgaatgaat aaata 325

<210> 244
<211> 426
<212> DNA
<213> Mus musculus

<400> 244
gggaagctca ttaggcatcc gaaagttcta aaaggaggct ccttgagatt caggaactaa 60
aggactccca agtctcagga agttcctgga accgaccaga acatacacia agaagactct 120
tctttcttca agattataca gcagtaaaga ttgctgagag actctocaaa ttgagctgcc 180
tggaagggtg caaactcatt gaggtgcccc gaagaaagac taagattagt tgagctgccc 240
agaagacata ttcccaatct gtccagctgg cccaggcta tgcaatgagc tcagcttttg 300
tgagttgtta tctatatttg gatggacgtt cagttcagtt accttgaggat aatcatgctc 360
tttcaagtaa tcccctaccc attttcctgg ggagtaaccc aataaatcca ttgtttcacc 420
atgctg 426

<210> 245
<211> 139
<212> DNA
<213> Mus musculus

<400> 245
gggattcaaa cgggagccgg tttggactga ctggatgcct tcctcctcct cccctnctc 60
ccccttctgc ttcagatnta tttattatat agtaagaaca ctgaagcagg ngtaggacac 120
actagacgag ggcaccaga 139

<210> 246
<211> 318
<212> DNA
<213> Mus musculus

<400> 246
gacggctttt atacagtgan atcggaagcg ngtaacanga gacaaatata tgagacgcac 60
tnatgatcta tttnnctnt nancctttgc gacatggatt ntcactgagc aaaaccaana 120
ccaaccagaa tgacgatntn attatatgaa tgtgacggct tctgtctccc cacctnctat 180
tggaacaatg nattcangat acttagngta ccacgtttaa atgaccaggt ctcaggataa 240
agagntttac agaaaattta aaatgcctgg naaagactct tgggntcctg tccccctttc 300
ctcattaact tcgaaagg 318

<210> 247
 <211> 219
 <212> DNA
 <213> Mus musculus

<400> 247
 gcatgctact ggaaaatggt ttgggggaggg ctgnaatgac ctgnctggac attgtcgccg 60
 aggtatgata actgtttacc gaaggggtct ttcatgggt ggaggctggn nctacctntg 120
 tacttgacct taacnatang angccannac ntgnnnccca nccgactncc nncgggtcnc 180
 agncgggctt gntctccctg accagaaacc cactctctca 219

<210> 248
 <211> 102
 <212> DNA
 <213> Mus musculus

<400> 248
 gacacccagg attcagcana catccaagat atggaggaga cactagatgt gaattcttat 60
 gcagngaatt aaacaatatg ttattacaca agggaaaaaa aa 102

<210> 249
 <211> 131
 <212> DNA
 <213> Mus musculus

<400> 249
 ggtagaaaga atccagaggg taatggggcca tgtctccctc aagagaagan gtctacatta 60
 taaactccct ttccaacccc aacacccact atatatTTTT aatatataga aaaaaaagct 120
 aaaaaaaaaa a 131

<210> 250
 <211> 189
 <212> DNA
 <213> Mus musculus

<400> 250
 aatcaaatat gcattgatac atatagcata acaaatatat atgatttttt ttcatactca 60
 acaaattgggt aaactgagtc tcacagtagt aaaatgactt atttatgaca cattggtagc 120
 agacactgaa gttnaacctg agcctttcta tacttttctc atgaactgct atactgattt 180
 cattcttct 189

<210> 251
 <211> 185
 <212> DNA
 <213> Mus musculus

<400> 251
 ggagcctagg actgtcccat ngggcaacac aaaaactatn ggcatnatgn ctntaattnc 60
 atggccgctn cantgcactn gggatgcttc attgtaaaact ggggtgtgta actgattctt 120
 tattgtcac tctgtcccat ctgagccaag ccagctgttg gcaattaaaa cccacttgca 180
 acctt 185

<210> 252
 <211> 374
 <212> DNA
 <213> Mus musculus

<400> 252

tgactgatgc	catcgccctag	atnataaagc	gcccgtcact	caagcacaga	agtnnaaatg	60
gacacgttca	ttacttttact	gatgtacgat	cnntcnctga	cgtannacct	caaagaggna	120
aggcttttng	catatgcana	aacggggaga	aaaaaataat	ctctccgagt	cagaagcctc	180
gggggagcat	agcaagactt	atcaaagtta	cagtgtctca	tttggaagc	gccaaccgcc	240
agccctcggg	cgaggtgcag	tgggtgcataa	ttaatgnagt	cccagacaca	ggtcactgaa	300
gtgcccacag	gtgtgtgcct	gggtttcaat	aanggccttt	ccttggaact	ccttttcgga	360
ttttgagttg	ggcc					374

<210> 253
 <211> 161
 <212> DNA
 <213> Mus musculus

<400> 253	
agcgttctcta	atcccacctg
actgagaaga	gtgaccagcg
gacctaaaggc	tctctttctgg
cctacataga	cgctgtctct
cacatgcaaa	aaaaagccca
cccctacatg	tctaaacaca
aataaaatca	tttataaaca
atataaataa	aataaacaaa
a	

<210> 254
 <211> 188
 <212> DNA
 <213> Mus musculus

<400> 254	
ggtaagtctc	gaaattcgat
atcaagctga	tccggaaccc
ttaatatataac	ttcgtataat
gtatgctata	cgaagttatt
aggtccctca	ggctcatggc
aggccaccca	cctctgcctc
tggagtgtcg	ctattaaagg
caggagcacc	gtcatactca
gctcctaagc	ttcattttaa
aaaaaaaa	

<210> 255
 <211> 414
 <212> DNA
 <213> Mus musculus

<400> 255	
ggacaatgaa	ctgccgggat
ctgcccagacc	tttgcantgn
cctcnatanc	tggnacgggc
canaccaacg	ctatitttctg
ggnttagggg	atangactac
ngngtnaggg	nttagcaaac
ggatggaaca	tgtgtggaag
atggtagcgt	atccaggcca
nancntntnc	antgtcagcc
cggtcacta	cgcccgtcgc
ctctgtcggg	gggcagaggt
gcacacagaa	tgactcacgt
gtctgccttc	ttcccttatg
gacaatgcgc	cggcaactat
tctgcagctg	taccagggga
gctagcctgc	agttcatcct
accagccacc	agagggaagc
accctcataa	ctaagtgtgt
gaagactcaa	cccattcgg
tgacggtgct	gtaccctgca
tagaacaagg	accc

<210> 256
 <211> 210
 <212> DNA
 <213> Mus musculus

<400> 256	
caggggaaac	accctcttnc
tacttacact	ngtctcgccc
acccccatt	ctctccttgg
tttnttggcc	ctttactgtg
gctgtacttc	anatnatnaa
agcaagagaa	agaatgtgct
gagtgnntnc	ttccctgngc
cttaagggcc	ctnatcccag
cagcccatat	agccagcaaa
tggaggactc	ctaacttcag
cacaagtggg	

<210> 257
 <211> 346
 <212> DNA
 <213> Mus musculus

<400> 257
 ggtagcgta tgcctacgcc ctagecgtaga gagtgcagat gtcccttgaa cagcaacctc 60
 gccagcacgt ctntcagagc acgtggatgg gagngcacga gcagcagcag ntgctaccat 120
 ctatcgtgac atagtgtact cacgaagaat gtgatgtgcc gagctgcgag aacacttcng 180
 cgcttgccacc ntteggccct gtccctctaga taaanctgcg tngtccnna aancgatacc 240
 catntgagaa ccattingatt aatagataaa gcaaagacag tntctgaaaa ggaaaagttc 300
 gaagatgngc ccnctcacat cacgaacatt tatgaagata gccag 346

<210> 258
 <211> 372
 <212> DNA
 <213> Mus musculus

<400> 258
 ggatgaccgg cttcaactcc ggaggaaata acactactac ctccaacggg tccccctcct 60
 ccaattccgg tcgcccagat ttccgaaagt attaaactcag cctggcgctc cttccctggc 120
 cttcagcagc cacaggagga gagctgatgt cgcctgtagg atgagaggac tgcaggatgt 180
 gatgcccagt ccatttgtcc cccccaggac ccattggctct gacaagccct gaggggtggc 240
 ccttccccat ctcttctgat tggaaatcttt cttctcccta cccattctc tctattcttt 300
 ggcttctcag tgtctctaca acaaagaata gatgattcaa taaagtttct tgattttctg 360
 caaaaaaaaa aa 372

<210> 259
 <211> 373
 <212> DNA
 <213> Mus musculus

<400> 259
 ggaattaccg tccccagct ccgtggccag cagtgcactca ggaagtacag acgaaatcca 60
 ggaagacctg gagcgggagg cggatgtgga gccatggtc agctgatgac ggaggcccga 120
 cgctcctggg ggtcttggtg atgggggtcca gcctcctctc cccactgagc cgtgtgggct 180
 ccactcctcg acacagactt ctgtcctccc ttctccggag gccagcggg accgctgctt 240
 ccttccttcc tccaccaccg ncccatggaa tgggtgctgtc gatTTTTtcta ttgtcccccac 300
 ncacaccnca aacgcntact tttngcgcgc catgcagtgcc aactgtgcct tctcccttaa 360
 gctgagccac ttt 373

<210> 260
 <211> 192
 <212> DNA
 <213> Mus musculus

<400> 260
 aggagaccca tgaagttccc tgttctctga ggaggaaaca tctcatgtct cctgatgcct 60
 gctcttcagt ttctgtctag ctgagacacc acaaagtatt gccctcttcg ttttgaattg 120
 ctataaaagc atgcctgggt ctgagtaatt tataataaaa tgccnaatgt atttggtc 180
 tgaaaaaaaa aa 192

<210> 261
 <211> 109
 <212> DNA
 <213> Mus musculus

<400> 261
 tagaaattga actctggaag agagggttcc cagactgcct tttgagaata aaatgggagg 60
 ccanaaccaa agtcttttga ataaagcacc acaactctaa aaaaaaaaa 109

<210> 262
 <211> 347

<212> DNA

<213> Mus musculus

<400> 262

aaagatgaag	gcagagatca	ggagggaaaa	gancttttga	ggggaactgc	gcattctcctt	60
ccaggagccc	ggaggggaga	gacagctgct	cagcagcagg	aagaccctag	cagattatgg	120
gatattctct	aaggtgaaca	ttcaagtgtc	ggagaccttt	cctcctgaga	tcctgggtctt	180
tgtgaagtat	cctgggtggc	agagcaagcc	tttcaccatc	gacctgatg	ataccatctt	240
agatctgaaa	gagaagatag	aagatgctgg	aggcccttgt	gcggaggatc	aggtactact	300
gttggtgat	gaggagtgtg	aagangatga	nagccttaaa	gagcttg		347

<210> 263

<211> 166

<212> DNA

<213> Mus musculus

<400> 263

aaggactgcg	gaggcnaacn	ctttgctgtg	ttcaaattcca	agtcaagggt	acaaaaatgc	60
anagcaataa	agcctttaac	ttgganaagc	aaaatcatac	tccaaggga	gcgtcatgca	120
acatcacctt	atnaaaatac	ntttgaagcc	ttttcaaaaa	aaaaaa		166

<210> 264

<211> 375

<212> DNA

<213> Mus musculus

<400> 264

agacctgaac	actccagctc	ancctcactt	ccaagcagtt	gcacacggag	tccttattca	60
tccaacggct	ttctatactg	ttttccagaa	gtgggaaacc	ctcggcatta	cgcgtagtgg	120
gggcgttggg	accttaaaac	tgacgtgaat	ctacnattcc	cagtagcaag	gcaaaacacc	180
agaggacgtg	aatatgancc	taccgtctng	ctcgctcgga	gactcaatgc	ccagggactt	240
caagcctgca	aggactanga	aatggaaagc	atcggtctaca	agtgccgncc	tccccattac	300
ccttntcttc	cggncccaag	gaggcgtgta	ctaagtga	ggactcggct	tatagatccc	360
acccatttgg	cgagc					375

<210> 265

<211> 123

<212> DNA

<213> Mus musculus

<400> 265

aattttgtca	gaagcactgg	agacttttagc	cactgagctt	natgaactag	aacgatccct	60
ggttgaagga	tncccgctg	tcagcatcct	tagtgaggag	gagttctatg	atgcactgtc	120
agg						123

<210> 266

<211> 192

<212> DNA

<213> Mus musculus

<400> 266

gatggacaac	gaaagctgag	gaaggagatg	tacaagggct	ggagaggggc	tgtcgtacag	60
ccactggatg	aaggaaggct	cccgtcccca	tcctgagctg	aaaaggaaaa	ggagcatcaa	120
agatccaaag	cctcgcggtt	ggtttttatt	tttattaaaa	acctcctgat	tttctccact	180
gaaaaaaaaa	aa					192

<210> 267

<211> 338

<212> DNA
<213> Mus musculus

<400> 267
aaggccagac ccagacacca caccagcaa tggatacagg acatcacacc cagcaatgga 60
tacaggacat cacaccagc aatggataca ggaccttga gaaattagga gttgtaagca 120
ggacctaggc ctgcttgatt ctttcccacc taagtgaagt tctggagagg gagcccttcc 180
acccttccag acccagcaaa agggcaagat gggagcaaga agcagagggg agacgggcag 240
agctaggaag acagcccca aaagaactgt gggggaaata aatcggatgc ccttgggtgg 300
cagcaacaat aaatcgtaca gcagtgacaa aaaaaaaaa 338

<210> 268
<211> 469
<212> DNA
<213> Mus musculus

<400> 268
ggctccacca gcttctcgga tggagccagc gcccgatatcc atgctatccg actgcaaaga 60
gagtcgtgga cgtgaaaaga aaaggcacia caaggagag agaacctgcg ccccgcatg 120
ggcgctgggc cgtgccgcca cctaccgagt ccgagacgaa gcctcgggtt tgcaggacct 180
tcatacccca gacaccgaac cgagcccga ctgccaacgc cgagcctgcc attgtcttcg 240
gogttgctca gctcgcgttg cgggcgtggc tgcttctctc ctacgcgcgt aactgcgagg 300
gcggctgaac tgccaatcta gacgccggg aggtgggacg agcacggaaa ccgcgaatca 360
ggagggaggg ggcggggctt atgatatctg cagcgtttgt tgagagggag gcggatttat 420
ccttagttaa caagtaataa acaaggctct acgcacatg acccagagt 469

<210> 269
<211> 397
<212> DNA
<213> Mus musculus

<400> 269
ctgccgaaga agagtgaatg agaaaagaac aggccaaagc tgctgcagga aggtgccggc 60
ccaggagacc tccatcatca cccggctgtt tgaaggacag ctcatgtaca gcatcacatg 120
tttaaagtgt gagagctgca cgcacaagaa cgaagttttc accatcctct cctccccat 180
cccatctgac tatgaatgtt ccctccagga anggagcccc cagctnctga atatanntnc 240
ttggnntga gatgtgnngg gagggngnn cttttgtgaa atnaagcaag aggcantgn 300
gaggaccacg atttccaagg tgccgaaaat aattgttttt cactttaaaa ggnttgacat 360
ccagggcaca ntnaganga aggttcggca gacattc 397

<210> 270
<211> 266
<212> DNA
<213> Mus musculus

<400> 270
gggaaggaga agaggcgga gcagccaagg agctgctgct gaatctacag tccacgggcc 60
ttcatctcct ctccaggggcc tgccaatgtg tccactctg ccagggaaga actcgacaat 120
acccctcag aggtgtttt gttagattaa agttggattt gactgtggan ngcgganttg 180
gaaganttg accatgtgac ccagaactan aatgtaatta ctactgttca gtttaattgct 240
ttaattttct gggctggggg gggcgg 266

<210> 271
<211> 358
<212> DNA
<213> Mus musculus

<400> 271

ggtgagggcc	cgactgctca	cctgtgtgga	gggatggat	ttgtccctgt	tagagaaagc	60
catcttgagg	cagaggcgtc	acctgcagaa	gaggcagcag	ccaataggag	acgccagcac	120
cttgcaaacc	cctacacctg	ctcctcaatc	gattcccagt	gacagcctta	gtctggaacc	180
agagaacagg	gggcagcagg	tgccccttcc	ccaaactctg	gactgagcag	aaagcccacc	240
caatctggcc	gtagtggccc	atgctgcaat	cccagtgcag	gcagggagag	gcgggaagag	300
gtggagttta	aagccagtct	gagctacata	acacatatgc	cctctctctc	tcaaagaa	358

<210> 272
 <211> 219
 <212> DNA
 <213> Mus musculus

<400> 272						
gattgattgg	accaggacc	ttcccacggc	tacagagggg	ctctagtacc	aagctacatc	60
tgcaccccaa	tccaccgtta	acagctctac	aaaagaaccc	agctgcctaa	gctctcttca	120
ggtttcagtt	ctcactctaa	ccctgtggct	ctgctccttg	cctctctgct	cctttcaata	180
aattcagtc	tagtttgta	atttactgaa	aaaaaaaa			219

<210> 273
 <211> 164
 <212> DNA
 <213> Mus musculus

<400> 273						
gaacgcctgg	ttccgtttaa	tgaagtgcga	ttaccaccnc	cncctgatat	natgtaaggc	60
agctganaag	cttnccctgg	ntctctggaa	gcncancang	ngctcttaac	catngagccn	120
tctctccatc	tcaaaccacc	catgtatata	aaatgaaaat	acat		164

<210> 274
 <211> 349
 <212> DNA
 <213> Mus musculus

<400> 274						
ctgaggtatg	ggagttttgc	ctggataaga	cagaagatgg	tggcggatcc	cccggaagtg	60
atgttacaga	cacttgtgag	cctccatgtg	gatgctggga	gttgaatccg	aattccctgg	120
aagaggagca	cgtgctgttc	actgctgata	cgtacctgga	gctccacaac	gatgacacac	180
gagttgtgag	agtgaaggtt	atagctggca	taggcctggc	caagaaagac	atcttgggag	240
ccaggtaaat	aacaatgcat	gagcttgggg	tttaaggaaa	cagtattgct	tantttcttt	300
cttgaacttt	gattaaatga	aaatctgagt	gatagtagca	aaaaaaaa		349

<210> 275
 <211> 258
 <212> DNA
 <213> Mus musculus

<400> 275						
tcagaaaact	tcctgaactg	gnacgtcatc	actgatatgt	tcaaaaatgc	atttcctttc	60
attaactggg	acttcttccc	taagnnnaaa	ggactgagan	gngccgatnn	tgatnccnag	120
cgaccattct	ntntaagacc	tangaccnan	nctgagcccn	ntggancagg	aggcnngcga	180
aggaanctga	agtccatcct	acgacaaatc	tcccctgcct	cagttcccc	aataaagtgt	240
tttccactca	aaaaaaaa					258

<210> 276
 <211> 310
 <212> DNA
 <213> Mus musculus

<400> 276
 ggtgtccgcc gatgccttag aagtggagtt aagagttgtg agctgccgnt ttttggctnt 60
 gggactcgaa ntctgttcac ctngatnnt atcngnncnc aagncatata cttgagcccc 120
 agcnacatan agacttcagt gagaaccaga gagatgggtg caggcctgcc aacctgagtt 180
 caatagcaga acccacacag tagcaaaaaga accaactctg acctcccctc tccccctccc 240
 ctctccttcc cctctccagt agtcaactcca gagacaccca aaataaaaaa tttaaatgta 300
 aaaaaaaaaa 310

<210> 277
 <211> 240
 <212> DNA
 <213> Mus musculus

<400> 277
 aagcccaatg taagggttcca gatggcccac ttatttggag acaccattta acacggttct 60
 gcttctactt ccatgagaac ctagtgaaga agacacagcc agagctttga tcaaagattc 120
 caaatgcaaa tacaactaac caccacactg gtcccatcag ccaatgtatc tctttgttac 180
 ctcaagggag attgatttac gctttcatca ataaatcttc atattttcaa agaaaaaaaa 240

<210> 278
 <211> 273
 <212> DNA
 <213> Mus musculus

<400> 278
 tatggacgaa aagatggatg ttttaattaa taatcaagaa gaacaacaag cttccctttc 60
 aaaaccaagc caaggagcag cagaaattct ggcagctagg aaagatggac aaaggctccc 120
 aagccatgat cacagaagaa cccgatggag caccattggc ttgtgacaag aatgtgggtg 180
 caccaaaacc aacgaggaat ccactggagt cctcccatcc atgtcagagt tgctgcgaga 240
 aatgtttgtt gtgtgcccta aagaccaacc gca 273

<210> 279
 <211> 131
 <212> DNA
 <213> Mus musculus

<400> 279
 acttcttgaa ccaggattcc ggaagaaatg gagacctttc cntacatntt gtgagcanca 60
 aaaggannag nntggnacgt gtnataaat gacgttgaan taaacaggnt gttttttgtc 120
 aaaaaaaaaa a 131

<210> 280
 <211> 276
 <212> DNA
 <213> Mus musculus

<400> 280
 tgtatagctg acactctgna taacacntgg tagctatctg ctggagaagt cgcgagtgat 60
 cttccagctg cccggtgagc gtggttacca tgtctactac cagatcctct caggggaagaa 120
 gccggagctg cagggtgagg gtcaggatgg gaggtcagat cccaaagaca ctgcctggct 180
 ctgggatggg tgttcacct ctctgcagag gcgtggggca cctccactct cctggnaaca 240
 cacagctggt tgtccacccc tttttcttcc tactgc 276

<210> 281
 <211> 305
 <212> DNA
 <213> Mus musculus

<400> 281
aggcctgggc ctgaantctc anagccoccaa gctgtgcggn tncacgagac tnagntcttc 60
ctanatcaan tgnotttggt nottcatgng caaacgcaaa cgcanaactg ccanagaaga 120
cagtanaagc tatnctctct gaagctncca agggagtncc tgcttgccag ngccaccaga 180
tgacagtnca ccatggagga tnttctcag atctccgtnc tcatcagtca cctgctgggc 240
agntgcctct tanattctct tctgcannnc agacagtcgn cantatgcac actttacccc 300
agcag 305

<210> 282
<211> 281
<212> DNA
<213> Mus musculus

<400> 282
cagcgccatc ggccgacccg ggcgcgcccc acgctgtgcc ggactgcggc cgcgcctttg 60
cgcgcgctc cacactagcc aaacatgcgc gcacgcacac gggcgagcgt cccttngcgt 120
gcacggaatg cggccgngc ttctngcaca atnnnattct gaccanacac ggacngncnn 180
anncantcca anaaaaggga ctatggcccg gaatgcgaca agcgtctctc cgnccgctnn 240
aacctgcggc agntccggcg gngtnacacc gtagagaagc c 281

<210> 283
<211> 140
<212> DNA
<213> Mus musculus

<400> 283
gacccccggt ccaatcgaca acactaaaan tgcggttact aaatgnggca gtgtgatgct 60
caagcaagga gcanactctg gtcaaatttc agaagaaaca tggaatttcc tgcagtctat 120
atatggtggg gggcctgaag 140

<210> 284
<211> 148
<212> DNA
<213> Mus musculus

<400> 284
accctgaggt acgacggcga agctccaaac gagagagacg atgaacacgt cattaacttc 60
tattgtgaaa gctttggggg gaaaaaacat tttttgtcta aatatgaggc taaataaagc 120
cttgatgca caaaccagaa aaaaaaaaa 148

<210> 285
<211> 474
<212> DNA
<213> Mus musculus

<400> 285
gacagcaacc ctgctctgag actgcagccc aggctaacca ttctttcttt ctccatcctt 60
cccttgattc tgctgcagac cctctggtag ctgggcttcc tcagggtcct ttgtcctctc 120
caccacaccc agactgattt gcagcctgtg gtgggagaga actcgccagc ctgtggaaga 180
agaccagcg tgctacacag caaccggaa ccaaccaggc attccgcagc acatcccgtc 240
tgctccagaa gaggtcttag aagtgagggc tgtgacctt ccgatoctga gcggctagtt 300
ttcaaacctc ccttgccctt gcttccttcc ggctcagget gctcctcctt aggactttgt 360
gggtccagtt ttgccttctg ttctgatggt gattagcgtc tcacctncag cgcttcttcc 420
tgtttccag gaccaccag aggctaagga atcaagcatt cctgttgcc ttct 474

<210> 286
<211> 393
<212> DNA

<213> Mus musculus

<400> 286

gaactgaggt	tggctacnca	gagcgatatg	aaaacagaca	aggagcagga	ctcatccatc	60
aacctgatcc	gntgctccta	nctgggcagc	ggggacagna	gncaagtcac	ttctgaggaa	120
cagattccct	acacagtgnn	ttccacatna	caganaaata	tantgcagag	ctactnanga	180
cacagagaaa	gcctggctac	ccaacagccc	cccaagaaac	agnccantgc	caccgnccga	240
ggcctcagan	agcttanca	acangccgat	ccacatccat	tatcatgcct	taatcgnata	300
cgagngngct	gaacaanncc	cataccatcn	ttctggactt	ttccatgggg	cactatgtgg	360
ataatcnggc	tntggttata	ctaaggcagg	acc			393

<210> 287

<211> 198

<212> DNA

<213> Mus musculus

<400> 287

agatgatgac	gaacatgagt	ggattgtcag	gacctgccgc	aagggctggt	tgccaatgcc	60
caaacangaa	gtcctagcca	tgagcacctc	ggcctcagca	tctcaccagg	gaattccttc	120
tgcccaactgc	tggcctggga	aactggctgt	agtcctagct	tcgacttaag	tttcagaata	180
aagggttttct	gcactgaa					198

<210> 288

<211> 431

<212> DNA

<213> Mus musculus

<400> 288

tattttgcggc	ccgacttggc	tgcagtcctgt	ctggagagag	aggctgtgag	cccagctgcc	60
gcacctatgg	gcagaccttc	gccaacgcca	cagatctgtg	tcactctgct	ttgggtcacg	120
tcttgcggtg	agcanntcct	ggttnccagnc	nctgcctcaa	cgncctncatc	tnctctacag	180
gagcccgccg	ccgccctngt	gcctgnattt	naaatgttgt	atgcnnntggc	ngcggcagcg	240
gcancggcna	cagcccngag	ccaatgtttg	gctttcaata	cgtgtccctt	ccctaggcca	300
gtgagccacc	cagaagtcac	ctacctctct	tccntatcc	ttccttccta	aaccaggccc	360
tnccacctgt	nttccatgaa	atgatctaac	cctcacttat	tttgcttncc	caaaaataaag	420
ttgccagcct	a					431

<210> 289

<211> 483

<212> DNA

<213> Mus musculus

<400> 289

atatcgca	tgctaagcaa	tccgtctctt	gaggaacatc	gcttcaagtt	ctgaacttcc	60
tgtcagggtc	tcttgacgtg	caagctggcc	tcgcaactgc	tgtagagcta	atgctggcct	120
agaattcctg	accctcctgc	cttttactta	ctccaaggaa	ctgagaatat	ggacctgaac	180
ctggattttac	gtttgctcta	tgagtgggtg	aaccgggcac	cagaacatgc	caggcagtg	240
tccaccactg	agttacgtgc	ttacactagg	cttttaccct	tgcaaagatg	gttgctatgg	300
acatttata	atgtgattgg	cttacgtggg	atggtaaaat	agtcttatat	tttgagatt	360
tggttattcg	ttgnttattc	atttaggtct	ttaaccatct	ggagtttatt	ttggtgnaat	420
ttttttttta	acattttgga	gcttttggnt	ttattatcta	aaataaaagg	tattcattca	480
tgc						483

<210> 290

<211> 413

<212> DNA

<213> Mus musculus

<400> 290
gagagaccta tgcattgctt atatgctggg gacattgact tatctctata ttggtatcct 60
ggtttttgcc tcattccctt cgcctccatt acccaaagat tgtattgaac agaacttctt 120
agacaacttc ccagcagtg acatcctgtc cttcattgca aggatattcc tgcgtgtcca 180
gatgatgact gtatatccgc tcttaggcta cttggctcgt gtccagctct tgggccatat 240
cttcggtgac atttatccta gcattttcca tgtgctgatt cttaaacttag ttattgtggg 300
agctggagtg accatggcct gtttctaccc aaacatagga gggatcataa ggtattcggg 360
agcagcatgc ggcctggcct tcgtgttcac ataccogtct ctcactctata taa 413

<210> 291
<211> 223
<212> DNA
<213> Mus musculus

<400> 291
ccctgtttga ataccggagn tagatngact gccaagaaga agcggctgtc tctggagcag 60
ggaggagcag agctaggaca caacggtacc cataagcatg aaccacttcc aacgctttcc 120
ccactccagg cagacactgg agccattaag caataactcc ccaaccttcc cctccagatc 180
tggatgcttc taaactactt tctgtctatg atgaaaaaaaa aaa 223

<210> 292
<211> 435
<212> DNA
<213> Mus musculus

<400> 292
tcactggcct gtttggaaca gagcagcaag gcaccagccc tgccctcagt actgcgaacc 60
acaccagaga gctcggtttt cctaggtgga aactaccaag tcctgttaca caagttaatg 120
ccccatcttc taaatgggca cggtttctcc tggcacctgg aaatagtcct caagtggatg 180
agaaaccaag tcctctgcag gaggccacca tgctagctga cctggcacaa gggactgttg 240
agaacaagac tccagtggaa ggccacttca gcagagcccc tgccattagg cctcctcaag 300
ccattcacac taccacccca caactggaca gacctgacag gaagaccoga gagcagccaa 360
gggacatggg gactcctcga gcagatggta ggcctttngc tcaagggacc cnagaaaggt 420
tcaacctttg cactg 435

<210> 293
<211> 385
<212> DNA
<213> Mus musculus

<400> 293
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cagagccccc agggaggcta gaaaaagctc aagcaagttt gtctttgttt ttctttcttct 120
tctttctgac atataaaacc cactgttggt gttaacctgg gcaaagagct gtactgcaac 180
aaagaagcgc aagcttttca gttgtctctc gaaaacaaga ccaggaaggg gccttcccaa 240
agcatcagtc cgtagaaaaa ttactttctg ctttaaaatg gggttcattc aaagatgacc 300
caagtacaac agtatctaca gaggtcattc ccctgcccc aattttcttt tgtacatcca 360
agaataaaca acattaaaaa aaaaa 385

<210> 294
<211> 299
<212> DNA
<213> Mus musculus

<400> 294
gcttgaagag aaatcgggac ggctgcagac acaggagcct ttgcccacag gatctgaaca 60
actggctaac ggaagcaacc ccacggcagc agaagataaa cacaccagga gtccacaatg 120
agctggagga gactctttca gaaagaaacc aacattccct ggctcaccgg aactcctgat 180

ggcaaaaactg	acctatcaca	atgggtcacct	gtttatccag	aacccttgac	tagcggcctt	240
ggccttagcg	atactttcat	tctgogtgga	tctgcttttg	tggagtggga	agggtaatg	299

<210> 295
 <211> 421
 <212> DNA
 <213> Mus musculus

<400> 295						
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ctaaagtcca	aactggagga	gctacctgaa	gccccacta	caaattgggtc	aacaaagaca	120
catctgaaga	tgcgagtgaa	ggcgagagccc	cctggacaga	tcagggggaat	gggtgcataca	180
gatgagatgt	aagccaatca	cacaagacac	cacacaggct	tccttatcac	cttttatcat	240
gtggcagggc	acctcaaatg	cttgtcatac	atttgngatt	tcattttcttc	tttgtggtaa	300
ggtcaaagg	aaacaagt	taacttggaa	ataaacttcc	tagctcaaat	tctaangcna	360
ganatacatt	agngantnca	tttcttcttt	gtggtaaggt	caaagggaaa	caagttttaa	420
c						421

<210> 296
 <211> 246
 <212> DNA
 <213> Mus musculus

<400> 296						
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nagaccgaag	ggtgacacag	cgcccntanc	atnatgccc	natgacatta	tntttnttgc	120
aaaggataan	ctgtacccta	cnttccatan	ngagcatgac	annttctnt	tgcggtacnc	180
catttctttg	ggcagggacc	ttacctgctg	cactgtggag	gagaatactc	ttgttgaccg	240
gatgct						246

<210> 297
 <211> 346
 <212> DNA
 <213> Mus musculus

<400> 297						
gctctcttcc	tcaggccgng	agacctaccc	ggggaggcct	ttctttcaca	cccagcccag	60
gagcacgccc	ggcttgatcc	cccagacctcc	agctgtctcag	cctgtgcacg	gcaggataga	120
ctggtcttcc	aagtacccat	cccggcggtg	actgtcccgg	ccacgggccc	tgctctcag	180
ctggtctccat	tgtaccgcga	caaccacgag	gcggtgtaaa	acaaccaca	cttacagctg	240
ttctgaacta	atacatttca	atatttcttt	taaatttttt	ttaaaacatt	gatttgaatg	300
caataccctc	tttttgnata	aaattatttt	attctaaaaa	aaaaaa		346

<210> 298
 <211> 206
 <212> DNA
 <213> Mus musculus

<400> 298						
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aggtttgctt	ggatcccacg	gcccagcatt	cctgttcagc	ctcattctcc	ctctgatcca	120
gcacgttttc	tgagacctgt	ctcccagggtg	gcatttctct	tctnttctgn	cttggnntcc	180
gaccttaag	taaccaagtg	actaat				206

<210> 299
 <211> 404
 <212> DNA
 <213> Mus musculus

<400> 299
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gctgaggaag cactgtttgg ggcccctggt ctcagaagtt ttgtcagcct gacttctcga 120
gagataccac cagaagaact atgtctacct tgggttttct ccanaaatga atgtctgcgc 180
ccccagttcc aggcctgtga ctttcctttg aacatccgtc tgcctcctac atccctgccc 240
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gaaccattgc tgaccttggc tgtcttcacc tgctgggcag acacaaagtg aggccaacat 360
ctggaccacag aggagaaatt agaggccatt tgtggaagca ctca 404

<210> 300
<211> 232
<212> DNA
<213> Mus musculus

<400> 300
ggccaaggaa tatgccatga aagccctcag cctagctgag acatacgtca gtgaggagga 60
acaaaggttt attcaagagt tgctgagtgt catctcagcc gaggagaagc agccctagag 120
agcgcctgcc togtgggtgc tgccaggggt gggggagggg gagtgccatt atgctgactg 180
ggcatcctct gtactgtttg tgaagtcnat agtaaaatcc tgtttcaatt tt 232

<210> 301
<211> 477
<212> DNA
<213> Mus musculus

<400> 301
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tgagcagagc tccagctccc tgcccacaga tacctaaact gactcgggtga cattccttcc 120
tcattaatct cctccatca attgggaaaa gaagtcagca ggatgaaact tcgaaacttt 180
tctagtnttt tctacctctt tctctcccc tttgaaagc ctgctggaat ttcgactggg 240
atgttttcca ggctcctggc tgtagagacc tcagctcgct aaaaccacag ttgttttgtt 300
gctgccgccc acaggaggct acaatgatga aaaccacaga tggcctgctt tcattccctc 360
acccctgagg aatcngaga ccagcagaag gatgtgccag ggggcacatc tagcttccca 420
acctnttggc ttcatTTTTA aggagaagat gaaanancct ggtaaagtgt tcttggc 477

<210> 302
<211> 196
<212> DNA
<213> Mus musculus

<400> 302
ggtgacttag agcctataga agatggattc aatcttcata agcatgaatg ttggccagcc 60
ccagaaattt tcttctgaat ccacagagca tgtgottggc tacttccttg cccagaata 120
gcattcttag aagacaaaga ttacataatg tgggtgacaat gtctaaaata aactatcctc 180
agcatcaaaa aaaaaa 196

<210> 303
<211> 339
<212> DNA
<213> Mus musculus

<400> 303
cttctgccag ctgagcncgc tgggaatggc angaattntc tnnatcact cgcctttgnt 60
acagntctcc gggcctttgg ggcccttttg cttctgcctt tgactctccc tggccttgac 120
tgnggctgct ctgcattcct gggcagggct ggagcttota attgggagct ggcacctgag 180
gcctatctgc naactggcca cagactagct ttgtccccgg ctgcctctga ctctccaggg 240
atagatcatt ctctgaaaac tcaactctga ggatccgtct tccaagatcc gtctccaaga 300
tccggaacct gaagccagaa tgtctggcag ggctaactt 339

<210> 304
 <211> 267
 <212> DNA
 <213> Mus musculus

<400> 304
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 cccactcctg ccttgtaaatt ttcaccaagg acaccgga gagaagaact ctttccaact 120
 cctcccaact ctttcaactc ttcagctagc tgttaaaagc cccctactgt caccgcttgg 180
 gggtcgaact cccctgccct gcatggcgga gggacttcgt cctcagctag ctgataataa 240
 aacctcttgc agtttgaaaa aaaaaa 267

<210> 305
 <211> 385
 <212> DNA
 <213> Mus musculus

<400> 305
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 ctaggnogac taccactact acngttacca ccaacancac taccacgatt acaagcggnt 120
 tcaacctgna tgtgagacca cctgcatcac cttggctgaa taacactggc ttgatcaatg 180
 tggcttctat gccttctacc atgactgtga actcaatagt aactcctgtg atgacatatg 240
 gacctctgga gagtatggcn aacaattggn actatcagct acaagaacnn gnntaact 300
 atttttatca ggccaaccaa ttcaaattct tgggaaccan gccctgattt gantctngna 360
 atgagatttg ctcttttagt atcca 385

<210> 306
 <211> 274
 <212> DNA
 <213> Mus musculus

<400> 306
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 acaaagggac attgaccaag aagctcttca acaaatccat ttatataagg ttctctagca 120
 ccaaagcaac ctagtgtatc cttaacccat atgctttgta tattcccttg caaacatgac 180
 cgtgtgccag taactagtct tgtgtgacta tgcatatgca gtagtcgtat gtggatataa 240
 ataaactatg ataagataac taaaatataa aaaa 274

<210> 307
 <211> 287
 <212> DNA
 <213> Mus musculus

<400> 307
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 cctccatcta ccggacaatg aagtacagt gtccaggcta gccaccttc ctgggctgtc 120
 tcatggggac ttggatgang caccagatc ccagcaatca agataacngt tcaaggactt 180
 tgggaataga gacaaaagca ttaagaagtt caaggatagc cttggctaca tgtttaaccg 240
 gggctacttg ggactctgcc tcaaacaaaa caacaaaaca aaacaaa 287

<210> 308
 <211> 299
 <212> DNA
 <213> Mus musculus

<400> 308
 atgctgtcct cataaatttn atggaaggc cnaggaggaa ctacttaaca totttotggct 60
 gacaagagct nacggtgatg anaatgcttt ttctgtgac cactacgtcc tacaaacgtg 120

agattnanag	ctagcaagag	ggctgacaac	ctgagttcaa	gccctgggac	tcacatggng	180
gaaagagaga	gogaacttnt	gnnacctatc	ttntgagatc	ccccgtgcat	gctgagacac	240
agtctctccc	cctttcccca	gataatantt	gagatattaa	aaatttaaaa	aagcaaaaa	299

<210> 309
 <211> 146
 <212> DNA
 <213> Mus musculus

<400> 309						
gggccctgtg	atgcatactt	tcttttattac	cttcagttga	agatgtctgc	aaacccttgg	60
aatgcccctt	aagtttttaga	agtctgctgt	tatctcagaa	gcaattaagc	agtcccatta	120
taaaaggtct	ttgcacaaaa	aaaaaa				146

<210> 310
 <211> 512
 <212> DNA
 <213> Mus musculus

<400> 310						
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cctcaaacaa	gtcatagaga	gatttttacc	gaaaagggtac	cgagaagggt	gctctgagga	120
gcagctaagg	cagctctacc	agcngactct	caaccaaagt	gatggccctc	cggggacaca	180
gtgcggtga	ctgcattcga	atttacttga	cagttagccag	gaagtggccg	ttctttggcg	240
ccaagttggt	ccttgcaaaa	ccaatagcac	catcatcact	tggcaataat	tgcgtgtggc	300
tggctgtcca	tgaatatggg	ttgagcatcc	tagaatacac	ctncatgaga	ttagtgacca	360
gctatatgta	caaaggtctg	atgacctttg	ggggctatca	agaggatttc	atggtagtcg	420
ttagtacaca	gtcaaaagac	cggccaacag	agaagttact	ttttgcgatg	gcnaaacaca	480
atgatttttg	anatcaccct	tctgatcgcc	ag			512

<210> 311
 <211> 456
 <212> DNA
 <213> Mus musculus

<400> 311						
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aaaaaagcat	gtcagcaagt	tcacaaggtc	aatgctacag	tacaagatgg	agtcaggatc	120
acagaatgac	atcactacta	tcactcttcat	ctcatgaagt	atgaacaaat	cagtagagac	180
cctattgtca	aagtccagtt	ttgacatgac	tcggctctgaa	gtctgaagta	ggtgtgggat	240
cagcagaaca	tggacacagg	aatcttcttg	atagttcagt	caagttctct	cttctttatt	300
tccccccaac	ccccagctta	tgttctctcag	caaactctca	attacagtgt	ggctatattc	360
tatttttctt	taagtgaatg	attacaatga	atttcctaata	acctttatgt	gattaaatgt	420
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<210> 312
 <211> 252
 <212> DNA
 <213> Mus musculus

<400> 312						
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atactcagct	tctggatcat	gaacctcgaa	actttttttt	agagggctgc	cccaccact	120
gctctctctc	ctccccgcct	cacaccaccc	tcttccccctc	tccatagtga	gttagaagaa	180
tctaaaggga	ttggctgcgt	tctctgatto	tgtggaactt	cttataaaat	cattgtctcta	240
caagaaaaaa	aa					252

<210> 313

<211> 192
 <212> DNA
 <213> Mus musculus

<400> 313
 gttgaagatg gctcccagac cctggacagc aaggaaacag caactctcct acatctggac 60
 caacatctcc atgcccattt tcttaggttt cccagagaca cagcgctcca aagtcagcag 120
 gaaacaacta aagatcacta tgcccctaatt cctgcttcac catcatctct agtttttctt 180
 ttttttttta aa 192

<210> 314
 <211> 318
 <212> DNA
 <213> Mus musculus

<400> 314
 gacagcgcct gactgagatg gaatgttctc aggaccagct gagggatagc ctccaaagcc 60
 tgcaacttct ttcaaaaaaca ccaggatctc ggagccagcc cctgcctctc aaagcaccat 120
 gtgtcaatgg agctgatctg tcaatgggca cttgagcatt tcacccctact ccatatatgg 180
 tctggaagcc aagagagcca ctacagagga ttttctgact gcctcagccc ttcattggcct 240
 tcagtggggg acagagtggg aggtgtcaat cactctggta actgtgaggt tgcccagtaa 300
 atccatttca gaaaatca 318

<210> 315
 <211> 169
 <212> DNA
 <213> Mus musculus

<400> 315
 aggacggagt tgtttcgatc tcttttcggc cagctcaacc ctctgatgc agaccgtggg 60
 aagtgcagct agcatcctct caggcccgac ctcagcacag gacccacctg ctgcctccaa 120
 taaaatgatc aaaaactaca ataaaccttt ttttttttaa aaaaaaaaaa 169

<210> 316
 <211> 446
 <212> DNA
 <213> Mus musculus

<400> 316
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 actgctctgt gttgctgctg cctctgggac atgctcacct gatcacctga tgagcccagc 120
 tcttcogctt ggccgctctg tgccacctcc gataagtgtg cctggcccca tctcttctga 180
 ttgtataaaa gtggttagct ctgctgcagc acctctactt tctgtcctat ggagttttag 240
 attagtggag gttactgcta tttagttcag tgacttgatc tttttaatgt tcaaaactca 300
 tttcttactg atcttttaaaa aatgtgctaa ataatttact tttttggcca aaggcttagt 360
 tatgaaatat atattttataa tggttaaatt atnccctcaa aggnatngca ttatgggacc 420
 cactattaaa tctctctgtc atacct 446

<210> 317
 <211> 213
 <212> DNA
 <213> Mus musculus

<400> 317
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 cgaactgcc aagattacag agaacaactc tccctgaaga ttttgagca gcacttgagt 120
 gcctcccctg tcgtggagcc atgatggcca ggacaacctt tacttctcta taattatttc 180
 aacaataaag atgagcattc tgaaaaaaaa aaa 213

<210> 318
 <211> 188
 <212> DNA
 <213> Mus musculus

<400> 318
 aggacctatg aaaagctgga gatggcgga tgcattctgga atccctgcac tctgttcatg 60
 ggccgagaag tatagaaagg aaaatgcccc aggaagcttt acatgagaat gtaacacagc 120
 ggcagaaatc acaagatact ttgcctcaaa tgagataaaa gatgagaact aactcctaaa 180
 aaaaaaaa 188

<210> 319
 <211> 182
 <212> DNA
 <213> Mus musculus

<400> 319
 aatgtgctcc caggtggacc cncatgatgc taagcttttag anagctgaca ggggnggtcn 60
 tggctnantg gcacatccca tgcttcatgg gctanattca ggggcngatc acacttggtta 120
 cgataagagc ttacatagnt gtcttcgaaa gnncctggntg ggatggcact cgggtgtggtc 180
 gg 182

<210> 320
 <211> 173
 <212> DNA
 <213> Mus musculus

<400> 320
 atgacagctg gaggaccag ngtgtgatgc tncatctgac tgccctnact ttctcccaca 60
 tggcccnnga acttttgtgc ccaactttct tcccttctctg gctccctcct cccacacaca 120
 tctgnctgcc acctcccaca tgacacctca aataaatccc ctttgggttt ttg 173

<210> 321
 <211> 420
 <212> DNA
 <213> Mus musculus

<400> 321
 agatgccgct ggagctgaac actcctcnca cactgatana tgangacgnc gtgnntgang 60
 aggacnntca tnatgnntat gtaannatan nantntatn tatacnnaac atgccgtatc 120
 tgatangaga atctataaca cctccatcat gacaaagaaa tggatgaaga gtcctcagaa 180
 ctgcaggaag gatttgttga gactgtgagc acattcctct tctccaaacc tctcctggaa 240
 tgtcctagaa ggcccaggaa ttcccccaaa gcaactgttc ttcctatggt caaacgtcag 300
 caacctccac caaacatgat ggaggaaagc gtgaatgttg tcactatgac ggaagtccag 360
 ctttagtccc agttaacaaa tattggcaat aaatcaaaac aggaaaaacc ctaaaaaaaaa 420

<210> 322
 <211> 207
 <212> DNA
 <213> Mus musculus

<400> 322
 acattggatc tctacaatg atgaccatgc tgccanntgn tncgtgctga gagcgggctn 60
 agtgacataa aggaccagt actgncacat ntgcatactc cctgccccgn ctgtcagnca 120
 gtccgttnca tgggaatggg nccgctgggg tgggtgcact cctaaccaga atggcctcag 180
 acaancctgg cttcttttac ccgcttg 207

<210> 323

<211> 305
 <212> DNA
 <213> Mus musculus

<400> 323
 aggagataat ttaacccttg aaaacagaca ctgtgccaaa tccacagccc aatagcggga 60
 ccgccccctc cacagaagag gtccagccag aggtccttg ggagccaccg gaggagcctc 120
 ctgaactgaa gagaccaggt cttgaggaac gtgaaggaga tgcccaaaac ctggccccctg 180
 atgactcttc caagactgtc tgagcctgct atgcacctgc gtgcagagga ggcaaggcca 240
 aagctcgaag gctggtgatg gtggccaaat aaacactcat gaattggttc acatagaaaa 300
 aaaaa 305

<210> 324
 <211> 128
 <212> DNA
 <213> Mus musculus

<400> 324
 tccccctccc tggcctgtgc tccctgcagc gtganctgct ccatcctttt caacgagcga 60
 tncccataca atgacaagac attcctcaac ctcatggacc ttttaaatan aaatttttac 120
 caactgaa 128

<210> 325
 <211> 165
 <212> DNA
 <213> Mus musculus

<400> 325
 ttaagatttc ccagggccag tgagatggct gaacggccag aagagcttgc tgccaggcct 60
 ggccacctga gtttgatata tgcaactcac atcgtggaac aagaggatca acctgtgagt 120
 ggtcttctgg ctccacgtgg gcatgcacca atacaaataa aaaaa 165

<210> 326
 <211> 256
 <212> DNA
 <213> Mus musculus

<400> 326
 gatccccaga gtaacagctt gtccttcctc aaggctcttt gcttaggaag aaagcaaaga 60
 atagaacctg caagatggcg tattcccttc caatcctggc ggcttgagtt tgatcccaag 120
 atccacacgg tagagggata gaactgactc ctgcatgttg gcctctgacg tccatacata 180
 ttcttagca tgtgtgtatc tctcctctct cgaaaaataa taagaaaatg caataaaata 240
 gagaaagaga gagaga 256

<210> 327
 <211> 279
 <212> DNA
 <213> Mus musculus

<400> 327
 accacggaag cactgaagca ctncacttga anatagnctc anaccatgc cananngnct 60
 tgaagcatcn nttcngnggn anactcagct gnggggtgac aggatgcnac taccagccc 120
 tggctggggc cgtctctant gcggtcangg atctattggc tagaagagtg atgactnnat 180
 ctacaggaca antctagcaa cactgnctaa natattctac tgaattncaa agtgctctga 240
 aatttttaaat aaaactttga taatcctcaa aaaaaaaaaa 279

<210> 328
 <211> 492

<212> DNA
<213> Mus musculus

<400> 328
ggcagccctg aagctgttga agacagtgcg gcanctnccg cttgggagtt tggnttgcca 60
gactgctctg ctcttccacc tnaacagccc agggggccagc tgtggaccct ggcacatgtc 120
atganagggg cagttttgct aagcctatgt ctacaacagt tatttggggg tgtggtcacc 180
actgncacat tcaactgtgat gangcactgt agccagctag cacccaagag ccctgcaggc 240
tacacattac agcttcctgg ccactctgga actgttgggc aagctgntcc caggtaccct 300
agccggcgtg ctggccgaca gcctaggccc acatctctgc tttgctgtct tccttgact 360
ctcagccctg cctgttctgg atctccgcct ggcacccagt aacctgacct gagctggatg 420
ttggttaggg ctgtctataa agccaataaa gctatgtatg gcctggatgt ctgggacaca 480
ggaaatgcag ct 492

<210> 329
<211> 178
<212> DNA
<213> Mus musculus

<400> 329
gcttaatgag gagctccacc ggcgctcttc agtggttaggt aaaacagcaa ttattacact 60
ttgtgtgtga attttcatct ttgtgcttcc taggtgatat gctgagttaa tgtttctgtt 120
acttggaaaca gtccagtacc cttcagaata aataaaaactt acttatgtga taaaactt 178

<210> 330
<211> 107
<212> DNA
<213> Mus musculus

<400> 330
gagacctatg agcgcgtaag caagaggctg gcttgagcta ccanngetgg gcttggaggg 60
gctacgaccc accaataaaa gtgtttcatg gatcaccaaa aaaaaaa 107

<210> 331
<211> 415
<212> DNA
<213> Mus musculus

<400> 331
ggttttacct gctgccactc agagcaatga cccggatgcc atccaggaca tacctggctt 60
cctgattcta cttggagttg gacatctgac actaaccagt tgcactggac aagaccctct 120
ctcagagAAC tcaaaacata cctcgggacg tcattcattc attcaatcat gccttctgta 180
atacggctat cagaagaagg aaaatgaaga caagaaaaac aactgtgatg tgggcagcag 240
gtacctgggg gtggagggtc ttattgcctc tcagggggtg ctgcctgaga caaagatcct 300
cagtcaaggc acagacctt gaaatacagc tagaaaagtg ttctgaattg ggctgncttt 360
tttaaaaaga caaattacaa cgtcaataaa ggaaataagt ggttaaaaaa aaaaa 415

<210> 332
<211> 413
<212> DNA
<213> Mus musculus

<400> 332
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agatatactg ggcacctgga ttccacagat tggaaatata agtctgacaa cactcaagag 120
caggagtgtg gttatttctg ctgagccttg caaaagtaaa catactacct tcaacttaga 180
ctccttggtt agtggactat gaaaagccac atgtacaaac cattactatc catgtgacat 240
ctcaagatct cttgctggac atatatgaaa tcctctagga ttctacgtac ccaggtacaa 300

tgctcagttct cttgagctgt gcttctctaa gctgcagagc catgttagtt gccatggata	360
cactgcgata tctgctctag gactaatttc acacagacca agatgccagc tga	413

<210> 333
 <211> 239
 <212> DNA
 <213> Mus musculus

<400> 333	
cctcgcacac tctcattata gcagatcccg atactagaat ngcctnaaaa ngcacaaaat	60
nganatggcc aatngacagg ataanncana nggaactggg tcatatgac aactgggcaa	120
agagagtggc aggtaaggat gctaaactca acttctatgt taagagtga taactttcaa	180
cagtcagctg tgggtactgtg gggggaaagt agtagtgtgc tatgggatta gggagatgg	239

<210> 334
 <211> 422
 <212> DNA
 <213> Mus musculus

<400> 334	
ctctttgtgt tcaagtctnt tctgcgccac ccaccggaga atgggaagcc gaacatactg	60
aactgggtacg taacacantt ccaccgcnct cacattgnaa tccaaatgct gaagaacggg	120
aaaaaaattc cttaaagtaga gatgtcagat atgtccttca gcaaggactg gtctttctat	180
atcctggctc aactgaatt caccgccact gagactgata catacgctg cagagttaag	240
catgacagta tggcgcgagcc caagaccgtc tactgggato gagacatgtg atcaagcatc	300
atgatgctct gaagattcat ttgaacctgc ttaattacaa atccagnttc taatatgcta	360
tacaatttat gcacgcagaa agaaatagca atgtacacat caccttcttt atatcttact	420
tt	422

<210> 335
 <211> 311
 <212> DNA
 <213> Mus musculus

<400> 335	
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ggtgaccaga cattgcccga tcatgcccct ttctaagcct gtccatagctt gccagccaca	120
gagtacagaa gcacacgctc atcatcacag ctgcaactct gcatgacaga gccaccagcc	180
agagacagtg aagagctggg tttgaagaca gtcataccca tgttcatgca gatgtggctg	240
ccttggcatg aattagagaa cagtcttgta cataaatgtt ttacactaaa gttcgttagat	300
gaagcagaaa a	311

<210> 336
 <211> 140
 <212> DNA
 <213> Mus musculus

<400> 336	
gtcgtattac caggacatgt atgtggccaa gcaaaacaga atcttcaaca gaagagatgt	60
gtgagaatac aaatatatttc aaaatatgtt caaaaacagt tgaaataaat tctacaatgt	120
caggacgatt aaaaaaaaaa	140

<210> 337
 <211> 406
 <212> DNA
 <213> Mus musculus

<400> 337

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ctataatcct	gtgggtacgta	agtgagacct	gcctgaactg	tacccactct	caggactctt	120
gtctacagac	acgcttcana	ccaaagctga	aacctctgtc	atcgagata	caaggattct	180
cccttgtgat	ggatggcagc	cacggagacg	taacagtgtt	taattaatgg	aaaccagaa	240
aaggaggaaa	tgatcatgga	ggctgtttga	gatctaggga	tcccacaagg	gaatcccaca	300
ggctctgcct	tagntgtcct	gtcccttgtc	ccttccctca	gtagattatc	tgtggtaaat	360
agccaggaag	aaactgacaa	gnaattctac	tgtgctcgtg	gagaca		406

<210> 338
 <211> 387
 <212> DNA
 <213> Mus musculus

<400> 338						
ggcaatggac	tccaggaagc	tgtgtctcca	ccgcccata	tgtcgccctc	tgtgcatccg	60
tctcatccc	aggcctgctc	ctccacctgg	ctcagcgagg	cagagatgat	cgcccttgc	120
ggctctgtgc	agatgagcca	gggagagcag	acacccaact	gcgtggcaag	ctctctgcct	180
tccaccagct	gccagaccc	tgtctctgtc	tctgaagacc	cagggtcccag	tggtgaccag	240
agctgttctg	ggactgacac	atgaaccaca	tagtacccca	ataaccacag	tccatagtgt	300
accctgcccc	ccactcctcc	acgggtgctt	tcttctcccc	caagctgttt	tgttgacaat	360
aaatcagagt	ttgcaaacca	aaaaaaa				387

<210> 339
 <211> 444
 <212> DNA
 <213> Mus musculus

<400> 339						
ggatctcaca	gttctcagga	cagtgggtga	cccgctnagt	gttattaact	catttcacag	60
aggangaan	gaanncanga	cttaaganan	naagaggagg	cccaagggtca	gggggcagac	120
ctaggagaca	gaanatgttc	aaaccagccc	taggggttcaa	aggtgtgggc	gatggaacag	180
aagtaatcgg	catcatcctc	cgggagcacg	gggctgatgg	tgaggataca	ggcgttgttg	240
gctgcatcca	cggtagctga	naatctgtcg	gggatgtcag	cgggccgata	gtgttcctct	300
tctgcgtaat	agtagagaag	atggggagca	cttccctggct	gctgctggta	ccacgacacc	360
ccaatatctc	cagcgtgggc	atgctgggaa	ttgatgggtgc	anctgagatg	agcgtcttgg	420
cctgggaaga	ctgagaacgc	gtta				444

<210> 340
 <211> 101
 <212> DNA
 <213> Mus musculus

<400> 340						
gaacctgtct	ctctcctggc	tatgagacgg	aaatgtagaa	ttctacacat	ctacgggtgta	60
ccaataaaa	gcttatgtcc	atttccacca	taaaaaaaaa	a		101

<210> 341
 <211> 385
 <212> DNA
 <213> Mus musculus

<400> 341						
gaaaagaaat	gtaaancnaa	gccatacatc	aggctnctgg	tangaagatg	gcacnngcan	60
taagctgacg	gtgatctgta	ggaatcatct	tgtggcaagg	gcactagggc	tgagtccctag	120
tgagtgggtc	tccatcctcg	agcatgccag	ggggccgggg	agagtggcct	tgcagtttac	180
agggctagga	ggccaaacag	agtctgcaag	caaaacccat	gagcccttga	ccctgctcct	240
ccggacactt	tgtaccagcc	cctttgtcct	ccgaccggtt	aagctttctt	ttgcacttga	300
aaggagaccc	actgatattt	tcccacgaga	accgtcccgg	ctgcagcagt	tccagtgtgg	360

agagctccct ctgctgacca gagtg

385

<210> 342
<211> 140
<212> DNA
<213> Mus musculus

<400> 342
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tatgtgacaa acttccagca aacttgtatt ttcattattcc ttatatattca ctgggaactg 120
ccaataaagt ttgtacttca 140

<210> 343
<211> 439
<212> DNA
<213> Mus musculus

<400> 343
cccgttactt ttggaccatc atcccancnn gaaggatgga tggatccgtc ttgcctgaan 60
cttgacgcct cacagagtct acagggtcaga atatgagtag aaanaggctg nggtgtgaaag 120
nataacaaca taaaaacaga attctaggcc tttaggccca ggcttggaaa tgnngccttt 180
gtaaagggtat gctaatacata aaacagatag caacatttct ccaccacccc gcttcctggg 240
ttcaaagagn gctcattcaa agaaagtcac ccagaactcg caatgcaaat gtgctattgt 300
tagggactct taaaagctgt cttgagagtt aacaattacc aggttattcc ttgngactct 360
tgtaacttta cacttccttg ngactotaa ctggtnatct ttggtatntt ccaactnngc 420
cctttccact tccttaaac 439

<210> 344
<211> 299
<212> DNA
<213> Mus musculus

<400> 344
ggttccagag acaccacac tgagcatgga ggctcccca gatgaagagg aaactgaact 60
ttaccggcgc ttaggtggcc gcagtggaga ggcagagggtg tgagttgctg nctgggggct 120
cccagggtc ctgccacac cctgacttct tctaagggtc ctcaccgtcg tctctgacc 180
ccatcagggt ctgctgtcgg aggcggtgac tgtcagttag gaacagaaca ggagagaaga 240
aaatgagtgat caaaggacag cccagagtca ataaataaac agttagtaaa taaaaaaaaa 299

<210> 345
<211> 229
<212> DNA
<213> Mus musculus

<400> 345
agctctctaa ctgatgggga gttatggctc ttctggacac agcatccact actggaatgc 60
agaatggcca gcatcagcag gaaactgatt gtcttgccc tgaaaccca tcacccatct 120
atcaagaatt aagtgttggg ctgggggtat caggcacgtg atagaacact tgctcgcgat 180
gtgtggggcc ctgaaagtaa agtgcagtga taatgcttaa aaaaaaaaaa 229

<210> 346
<211> 301
<212> DNA
<213> Mus musculus

<400> 346
ataaaactaa agctaattggc tttatgtgat ttacccaagg tgaaattgtt tgttgaaaca 60
cgggtocaaga atggagtcac atgaggagaa ttctgagtgc ttacttgtga gaaaactcca 120

agaaaacggg	acaagagtct	tgtgacctca	ttttcttcaa	aaacacaaaa	ttgttcttgg	180
aatgtgtttt	catgctcttc	caagtgtagt	agataagagt	gagtttattt	aataaataac	240
aactggctat	tgttatttgn	ttatatgcct	ctatgaaata	aacgtttttg	ttgtgtgcaa	300
a						301

<210> 347
 <211> 148
 <212> DNA
 <213> Mus musculus

<400> 347						
cagcttattc	tgtgcggtgg	cagcatttgg	gtgtttctac	tattgaatcg	ttgggaagtg	60
tgacttcaag	gaaccttaac	ttttttatat	tgttaaattt	cctgaccaa	taaaaacaag	120
ttggcacttt	ggtacctaaa	aaaaaaaa				148

<210> 348
 <211> 202
 <212> DNA
 <213> Mus musculus

<400> 348						
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aaagccactg	ggcgattgaa	atggtcgcat	tgagatgcgt	ggagccggct	gcagcgcgcg	120
gactcactca	aggggtcaag	tgacggacgg	attgttcgct	ccttcataat	aatattaatt	180
aaacaatttg	catgctaaaa	aa				202

<210> 349
 <211> 278
 <212> DNA
 <213> Mus musculus

<400> 349						
aggagcgcag	accctgaggt	ctatgaaggt	tgggacctgc	ggacacgaag	tagcataccc	60
tttgagaaac	cagggtaggg	ttactctcca	gatcagcaga	aggcctagag	agggaagggc	120
tagctttctt	taatggcaac	ttgaaatcca	gcccattctt	gatactgact	atggaattaa	180
ccacctttct	ccataaaatt	ctctagtctt	ccttggaaac	cctgcaaaac	ctatgagtga	240
aacataaaat	aaactcctcc	tccctttaaa	aaaaaaaa			278

<210> 350
 <211> 242
 <212> DNA
 <213> Mus musculus

<400> 350						
aggccctcta	cagtancnac	tcctgaacag	atcaagtttc	aggaaggctg	acctctgaca	60
aggctaagag	ccacacccag	aagaccagca	cccacacctc	agctgcctgt	gcctttctgg	120
agttatagct	gccccgagtc	gaagtcctag	gagatgagcc	ccctgtctgt	ctgcactgat	180
ggattctaaa	ttttgttttt	gtttgttttt	aatttaaaagt	gagttttata	tacaaaaaaa	240
aa						242

<210> 351
 <211> 397
 <212> DNA
 <213> Mus musculus

<400> 351						
tcgcctgccg	cccacccgca	ccctatttgn	gcttgaggtg	atggacntga	anacaccgga	60
ccggcgactc	ctcatctctg	gactctgnta	ttcggtctgc	tccgagctgc	tcccgcact	120

cctgggggtgg	gcgagaggaga	ctcccgcctca	gaacaagaac	aagtgagtct	gcttggtgac	180
tgccctgtgc	catggggcact	ggcttttacac	cccaacggcg	tgacacagag	tggtccctct	240
gcacaccaag	ctctgtggac	acgagtgcag	ctcctgtctt	gcctgatgag	gtatctgaca	300
acccagtgcc	ctatcgctgt	cganaacctn	gaacnnnttt	ccattcngga	aagtgggtca	360
gccatccanc	aacagttcca	gcacgccttc	ccacggc			397

<210> 352
 <211> 304
 <212> DNA
 <213> Mus musculus

tcctgtttcc	cgtggcctc	aaatcacatt	ctgcctgctg	ataggactct	tgtttgcaat	60
agacacagtg	ctgtatttct	ctgtgcggag	gggtcttcaa	agtcctgtgg	ctgactatga	120
ggaacccaag	attcaatgga	gcaaggaacc	tcaggacaag	tgagctctta	tcgcatgcga	180
tgataagagc	aatgggtgag	aacccatgag	cctccctggg	agcttgcaac	ctcaccagct	240
gcattggtca	ccatgctttg	agcagcagaa	ataatacaaa	ggcccccttc	ccaactgaaa	300
aaag						304

<210> 353
 <211> 311
 <212> DNA
 <213> Mus musculus

aggagagaag	agtgcctgct	ggcagatggg	actccctgag	gcagtagttc	cagccagaaa	60
gtgccaatca	tttatttaga	gggtcggggc	aggaactaga	actaaatttg	cttctcagtc	120
ccaaacctga	gggagagact	cttcaggata	gagacatcaa	ggaatagacc	ttcaaaacta	180
ggaccgggtt	tcctctctca	ggaggaatgg	gaccactgag	caagaagagg	caacagcctt	240
ccctgtgaca	gcttggtcca	ctcgccttga	tcactttggg	tgagtgcctg	ccaaaagaag	300
atgtttgtca	t					311

<210> 354
 <211> 361
 <212> DNA
 <213> Mus musculus

gtaacgcttg	ccacagtgc	gaagttnntt	caacctgnca	ggcagaggaa	gccttttgat	60
gacgcaaaat	gtgttgagtc	agcaaagaag	attttcagtt	aattcaggca	actataagta	120
catagccccc	acaaagccaa	ccttctaaaa	ttttgcatca	cattgaagtg	ttttgactaa	180
gtgttgaccc	tacttagaaa	gctaacaagt	tttctaaggc	gtctgtgtca	attcaggtag	240
acatgactga	cgaggaacgg	ccggatgctc	tctagtgtga	gttaaaattg	aaatcatgat	300
cacttccctg	gatattttct	tactgttcaa	taaaacaaaa	caagcttctt	aaaaaaaaaa	360
a						361

<210> 355
 <211> 293
 <212> DNA
 <213> Mus musculus

ggggcaggaa	attgacagaa	cgtttgcctt	agcacaatct	gctgtatgaa	acacgaacgt	60
ggaaagcagt	gcctgtaaac	ccagaactca	ggagagtcag	aggttcaagg	tcattctcag	120
ctacacagtg	agtctggggc	cggcctgagc	aacatgagaa	ctgttttctt	ttctatatgt	180
tcacaccaag	cttctatgag	cccttgggac	ctccgcctta	gctacatcaa	gctgtgacgc	240
actcaaagga	accgttatcc	tatcaatccc	taccatgctc	aataaaaaaa	taa	293

<210> 356
 <211> 364
 <212> DNA
 <213> Mus musculus

<400> 356
 ggatgattct gacagetaac tagctttctg tgacgggtgga gccggggagg aggccggtag 60
 ctatctttctg tcatgctgaa aaactgggat ggtgccttct tcaactactt ggtttgcatc 120
 aagatccaca gagacctctg aactcttcca gaagctcttt ctgaagggtg cccctccacg 180
 tgtttaggtct tctctctggg cgcttgctg agcgtgctcc tgcatacagg ggggtgggac 240
 gctgaccgct ggggctgact tcccactgac tgcacttaga atctgtgctt gggatgattg 300
 ggtgttgga catgtgttca aatgtggcaa agcaaaggcc aaagaagaaa gagattatta 360
 taaa 364

<210> 357
 <211> 641
 <212> DNA
 <213> Mus musculus

<400> 357
 ccgatttata cactaacatc ttccanattc tgaaacctga tgccatcaca tactttgggc 60
 tgagaaaaga aaatcaaaaca tttgtttgat gcagcctccc tccctcagcc ttcnancagg 120
 ctgatccana ctttgacctt gctgccgcta anaagcgatt acctagggta gaggcttctg 180
 accttgatgg ctctatttgc tcttctcctt gactctgctt ccagctgaaa ggtccctgac 240
 acagtccaaa gacacaccct gtagatogcc taagggtgctg ctccaggtag caanaaatgg 300
 gttggcaggg gatgggacct ccccttata agcacactct cttaataaac tcgggggcct 360
 tgaaccgaac aaataatnct naanantttt tcccanttt tnatnattt cccctcccnt 420
 tncccttttt tctccttgt tccnttctnn tcttctctn ctcttctcctn tnnctccccc 480
 ttcttnttgc tccccctttn nntatttttn ntncatcnen cnttttcnnt tntntcntcc 540
 ncctanncg cccctntntnt cttaatcttt cncctacccc attttntnt ncactctngtt 600
 ttccgcacnt ttccctaggt tnaccagttt ttctctgtac g 641

<210> 358
 <211> 280
 <212> DNA
 <213> Mus musculus

<400> 358
 gggtagtaaa aaggcagaga ctgctggcag gaggnccctgg naagagagac ctnaagaggg 60
 agatntggcc taccacaatt ngganaggaa gagagatcac tttacgccat gatcatatca 120
 tccacctcat aagtatccat aaaactcttc tacagtccac agtgcagaac tccctggacg 180
 acttctctgcc ttggggcagc cgactgccat ccaactttgg agtatctgcn ttgcttagct 240
 ttgctaaata aatttctgct tatattgaat ataaaaaaaa 280

<210> 359
 <211> 265
 <212> DNA
 <213> Mus musculus

<400> 359
 ggtatgggaa gagagccgag gaggagaaca caggtggact tcctggagtg cagctctccc 60
 cctgcaccag cccccagtt ggcttgattc cctgctctgc gccctggagc tgaaggcagg 120
 gagctctgnc naanggactt gcagcctnnc ttgtnttcag cccgtggntg aaagaaanta 180
 caggncagc tcttntntnt gcaggcttgn aacaacctgc tnncttgcaa actaaataaa 240
 gcaaattana atcataaaaa aaaaa 265

<210> 360
 <211> 349

<212> DNA

<213> Mus musculus

<400> 360

atgaggaagc	ctgaacgtca	acactctgcg	cggagacttc	ggctctgcag	ccttccttcc	60
acgggtggg	gcatcttgcc	aatttgcagg	accaagaaag	aagcccagct	gctctcagag	120
gacccgaact	tcaattttta	accacacctc	tctcattgtg	tccggccttc	tgggcttaca	180
gcatttcaat	aggagcgggg	tgggggtggg	tggggtagct	ctccaatggc	tgaccgcaact	240
cttaagagat	gattttaattt	ccttatcctt	gntntctcan	aacngngtnt	ncntnagnta	300
nagggntcaa	cancnttgcg	nacttttnaag	ctgaataaaa	ccccttttc		349

<210> 361

<211> 273

<212> DNA

<213> Mus musculus

<400> 361

acacatcttg	atttcctggt	aaacaaactg	agaggcacgg	tggagcactt	ggtgcgccgg	60
taaccgagag	agctcacgtg	accacaccgc	gccagcatgc	aaacatggtc	cttatgtcgn	120
cagagaaaat	ggtgaatgga	attcctgcca	cacagacgta	tgtcaagaca	aaactattat	180
ttcaactatt	tcaaaagtgt	atgcacgact	gtgttaggtc	ccacaacagt	tcacatttaa	240
acaaataaaa	cgttgaagag	aaacagaaaa	aaa			273

<210> 362

<211> 238

<212> DNA

<213> Mus musculus

<400> 362

gtgggcgccc	caattccagt	gcagcgaagc	ccgaggccca	gccaggaaca	ggtggaccag	60
ttgcacgagt	tatatgtaga	gcatctcaca	cggctgtttg	agaacacaaa	gatgcactac	120
gggatccctg	ctcatcaaca	ccttgccttg	atgtccatgt	ccctgtgtcc	tggccttcct	180
gaaaaactgc	aggggtggat	tggggacatg	attaaagggtg	gaagcagaca	aaaaaaaa	238

<210> 363

<211> 184

<212> DNA

<213> Mus musculus

<400> 363

ggacgcgttc	tgcttccac	gcctgggggt	gggggctatg	gagacccgga	ggacccanca	60
cnccancag	gctcgcccc	gctatatcca	gncttccag	agcgaggcag	ngtgnatgag	120
taocgcncn	cccaggaagc	annatgagtg	ccccacant	anagatcctt	tgagtgcgaa	180
aaaa						184

<210> 364

<211> 109

<212> DNA

<213> Mus musculus

<400> 364

tgtgacctat	gagcgcagta	agcaatgagg	ctggcttgag	ctaccaggct	gggcttggag	60
gggctacgac	ccaccaataa	aagtgtttca	tggatcacca	aaaaaaaa		109

<210> 365

<211> 155

<212> DNA

<213> Mus musculus

<400> 365
gaagataacc cccagtgccca tcacacagag gaaatgacca caatgaattg ttacattatg 60
cctgggtcttt ctcccaagag accatcagct ccggggtagt aaactagggtg ctctccatta 120
ataaatctga tgatgcgatg ctgtaaaaaa aaaaa 155

<210> 366
<211> 287
<212> DNA
<213> Mus musculus

<400> 366
gaccaaaaaag aagacctgac gtcactctga gcacccnccg catgcanagn gtgttcgcag 60
actgccaaacg ggctggctcc ggccagcaga agtgaacaga ggtggagggt cancctgaca 120
gcttctcccc aaagccatgg agagaaaacc ttaccacccc caccgcccag ctacttccag 180
caagttgtcc agcctgaccc ctctatttcc cctgtttgtct cttatctggg tccctgagac 240
ccaccccatc tccaataaag aacattgcat actgtgaaaa aaaaaaa 287

<210> 367
<211> 114
<212> DNA
<213> Mus musculus

<400> 367
catatgcctt gcactcctgac cccacgttct catggatgga ggtcccatat cacaggagct 60
tctttccctt tgctcngatc tccaattnaa gcctttggga cttgaggatg gaga 114

<210> 368
<211> 299
<212> DNA
<213> Mus musculus

<400> 368
gacgtgagct gtcaacgctg agcttccagc tgcnnccgcc nttnnagntc gngncccntg 60
acatcnttga ccctaaccct ntgaaccgn anccncanna taaactntnt nttcttctnn 120
tgaaggaagg aaaacatgaa ccanggtggc tttaccaacc acangtnttt gtgacatcat 180
aaagttagaa taattgggat aaagctttta tcattatcaa ttggttctga aattactgta 240
ttggcatctt gtaaatgag actttattga tacataaatc tgattgggta attataaaa 299

<210> 369
<211> 408
<212> DNA
<213> Mus musculus

<400> 369
ccgaagtccc agcttgaatc gaaagaaaaat cagaagtttg atgtctttta agccatatcc 60
ttcaagagac agatagtggc tggcaccaac ctcttcatca aggttgatgt tgggtggagat 120
aaatgcgtgc acttgagggt gtttcaaccc ctccccatg aaaacaagcc tttgaccctg 180
tcttcctatc agaccaacaa agaaaggcac gatgagctct cctacttctg attcggggct 240
cctttgcacc tgtgtttggg accacgtagt aaaaccccc tccgtgatgg agagaaggga 300
gttgagcagc ttctgtttgt attctcaaac tgcgttgat tttgcatoct tccaaataat 360
tattttcaga aaactgtata tgatctctct aaatatatat tttttaga 408

<210> 370
<211> 381
<212> DNA
<213> Mus musculus

<400> 370

gccttttcat	ccctctgcta	acctgaccta	ggactgggct	gcctcctgca	tccacagcaa	60
acacagngag	aaggctgatt	ccatgacagg	cttcaaata	acagttaagg	agactagacc	120
taaaaataca	ggcttggtt	tgagcagcca	gtcagaaact	gccctatcac	ctggcctgaa	180
gcaaggacaa	tgggtcagca	gtttcctgct	ggccccacg	ccccagtaac	ggaatgtcct	240
ttgtgataga	gtaagacaaa	gccaacctac	ctcgggattc	ccctaaggag	ctttaaattg	300
aacctgtgaa	cttcagagtc	tctctatctt	ggtaatggga	gaccccagca	tgctggactt	360
ctgcagaata	atcaactctgc	a				381

<210> 371
 <211> 188
 <212> DNA
 <213> Mus musculus

<400> 371						
gattgaagag	gaagccaggc	agaagaagat	gtagatgcac	tggcccaggt	ggatccacaa	60
cacccgagta	taacattgac	cctgaggcct	gtgacctgtt	atggctctgt	aattgtgtaa	120
gcttgagcgt	ttttataccc	agcagcgtag	atttcataat	aaagtagttt	gttgtggaaa	180
aaaaaaaa						188

<210> 372
 <211> 303
 <212> DNA
 <213> Mus musculus

<400> 372						
aggacacgat	gtggagcggc	tggagcgcct	gcaggagcag	ttaaagaagg	ctaccgccat	60
gctaggggag	gctctcggga	gggaaggctg	accccacgcc	actccttccc	cacactccct	120
gaggctcagg	actgttgacc	tcagagcctc	ctttcacccg	gcattctgct	ccacttccaa	180
ctggtaggga	ctggaagcaa	ggatgtgcct	gagaaccaag	cctgagagaa	gcctatgggc	240
aggggctggn	ctccggctga	ctcaggaccc	cgccccaccc	ctccatccct	gagtgaataa	300
agc						303

<210> 373
 <211> 106
 <212> DNA
 <213> Mus musculus

<400> 373						
tattttacttt	acaatgatgt	tagncncccc	ccatacttga	gtaataaaan	tggcggggtt	60
ggaancgtgc	tgtatacata	aatgaataaa	taaatcttta	aaaaag		106

<210> 374
 <211> 335
 <212> DNA
 <213> Mus musculus

<400> 374						
aggacctcaa	ccaactgaag	agttgacccc	gccagtctgc	gtctctctgt	cttcacttga	60
atgtctttga	gaatatgtaa	aaaggagcca	catgcacctc	cacgcagtgt	gcaggacgag	120
aacttcogtc	attgtatata	ggcctctgcc	ccgtctcccc	ttaaggttat	ccactgtgct	180
tgatgagtga	gcagtcaata	catctgctgc	ccgtcggcat	tctgggttaa	taaaactata	240
ggaattattt	cacaaacaaa	ctatggaaa	cagtattaaa	atctgagttc	tgtatctact	300
ttaataaatg	ttttgggtct	ctttgaaaaa	aaaaa			335

<210> 375
 <211> 141
 <212> DNA
 <213> Mus musculus

<400> 375
 tgtgggtgcc ctaaggcttg gaattcngtg gtggaagntg ntncncanng cgacagtcca 60
 tgccctntnc ctcgnagggc tctttgtcat cacgaggcnt ggaccnagga agtgaacccc 120
 gtgctacggg actatgatgg a 141

<210> 376
 <211> 433
 <212> DNA
 <213> Mus musculus

<400> 376
 gggaatcaac agcaaaggat tggtagctg cagaaattct catggattgt tgtctttctca 60
 cacagcanaa gacgtcaggg acccctttca ttctggtatt ctactgcag ataggctctg 120
 tggaataaca gttcttccca ccccccctgcg tatttttaaa atgttttggt acctcttctg 180
 gccatgatag tgtctagtga tgccctctcc cattctcaca gatgatgccg tttccctctt 240
 agtactttca agatggctct ctgtgtctgg ttttcagaag tttcaccatg tgtcttggtg 300
 tggattcttt aggtttatct tatgcttggt cagcttctct aatctgaaga agtcaagggt 360
 tatgtctctt gacaaattca gaacattttc acatgaccaa cattattatt attaaatggt 420
 ttctctgtgt aaa 433

<210> 377
 <211> 202
 <212> DNA
 <213> Mus musculus

<400> 377
 gtgagaagag actagggtgtg acttaagaga gaatgcattn ttaacaagtt cttttcttct 60
 cggctaaaga agtcccggnt atncttcacc atggagctca cgcattagct tctgcagaaa 120
 gacttcccaa atgtcaccaa gcagcgtcct cactcttgag agcaggatta ataaattatt 180
 tgntttacct gaaaaaaaaa aa 202

<210> 378
 <211> 255
 <212> DNA
 <213> Mus musculus

<400> 378
 gagatgtctt ctttggacca aagatctcct ttgtgatccc ctgcaacaac cactgaggat 60
 ctgccttgca ctctggagaa catggtcctg aaggccttca cgtcccccataa tttcccacaa 120
 actctgtcag ttcagcgcca tttctgatat ccatccagta tatccaatct tgcatagatt 180
 ctataaagtc ttacttgcta gagtatactt gggctaaagt ggtaataaaa gttgtttcca 240
 tttgaaaaaa aaaaa 255

<210> 379
 <211> 120
 <212> DNA
 <213> Mus musculus

<400> 379
 aactgtgcgt atcacaactg agtnatctcc cctggcagcg gacatcttga cctgcctcog 60
 gagctttgct ttgtcttccg taggtcaagg cgttggnctc ctctctctct ttttttttaa 120

<210> 380
 <211> 259
 <212> DNA
 <213> Mus musculus

<400> 380

agggcctgat	agaccttgtc	gagctgaccc	cctanatnct	gtgatcgatt	cgccgaggtt	60
anctganana	ngcaaccacc	attacagagn	gtcttcatac	cttttgtaaa	agctgcattg	120
tgagacattt	ttactatagt	aacagatgcc	caaaatgcaa	catagtgtgc	caccagactc	180
agcctcttta	taatataagg	ttggaccggc	agttacaaga	catagtatac	aaattagtga	240
tcaatctaga	aaaaaaaa					259

<210> 381
 <211> 128
 <212> DNA
 <213> Mus musculus

ctgcttcaca	catttctcca	gacctnecgtt	ncntnatggc	ncagaccctg	tgcgttgctn	60
aggntnctac	acggccanaa	gtgnanttan	ctttccggtt	ccagcatctn	cccgttcccc	120
tatcttcc						128

<210> 382
 <211> 126
 <212> DNA
 <213> Mus musculus

tgtaatggaa	tccgatgtcc	tcttctgggc	tgtctaagag	atctacagta	aataagtaag	60
taaaaaagaa	ggaaagaaa	acaagaaaag	gagagtgaat	gaaagatttt	ttaaaaaaag	120
attata						126

<210> 383
 <211> 409
 <212> DNA
 <213> Mus musculus

agcaaattaa	agtgtctacaa	acagaggaaa	atcctctcct	gcgggatgaa	aagcctgctc	60
caggtctggt	tccaggtccg	aaatcccac	cctctgcac	ctctggcaat	acgtccttc	120
catcagtc	ggcatccacc	atcttactcg	ttgcttctgc	tgtaaaacttc	atcgagctat	180
agcttgaac	gctatcttaa	tctttatctg	aaagactgct	atggggatcc	cacaggaagt	240
caagagaaaa	aaatgtagtt	tcccttgac	agacttgact	gtataaaaga	actgtatatt	300
tgcttctcat	tttacaattt	aaaaagctgg	tccagatagt	atcatagaat	taacttttca	360
tttctggatt	aantttaagg	actgcaaaaa	tcccaaagct	atatacttt		409

<210> 384
 <211> 422
 <212> DNA
 <213> Mus musculus

gggtgacacc	tctggagact	tcatgaaggc	tttgcttgct	ctgtgtggcg	gagaggacta	60
aagctcctga	cctcagaggg	ccccctctac	caagcagtg	ccaactgcac	cagctgccgc	120
cgtgacctga	ccaagccatt	gctccagctt	caggatctaa	ggaagacgca	aggggtgggg	180
ttggactgtc	catccagctg	gggcactctc	tagccattga	gggtcccagg	cggtcccttc	240
tgttatccct	cccgtctatg	gctaaggggc	tggtgaacca	cggccatata	ctgcattcaa	300
ctctgatccc	cttctaccta	ctcctccggc	cgccctgggt	tccatccctc	cacataaccc	360
tgcttgactt	gagctttgtc	acatctcaag	acataccaaa	cctctgtcta	tgaaaaaaaa	420
aa						422

<210> 385
 <211> 208
 <212> DNA

<213> Mus musculus

<400> 385

aggacggaag	gggaaggagc	ctnggagcct	cagagcaccg	gggccangcc	tngaganaac	60
cagatntnag	ccggcgcaga	tacgcccagc	ttataacacc	ctncaccggg	cctctcttcc	120
ggctagtcca	aaaaagcgac	caagctttaa	acaagattcc	acaaacgaaa	cacaatttaa	180
attaaataaa	aacacttttc	caccgcgc				208

<210> 386

<211> 206

<212> DNA

<213> Mus musculus

<400> 386

aggcgtgtcc	ctatgtagct	caggtctgcc	tttgacttgn	gactgncctg	cttntgccac	60
ctgaatcctg	catgtgacat	cccacgctgt	acagtnagga	agtctcactt	gcttncacac	120
caaacccttt	tccattnggg	tcacttgang	aatctgtggg	agtccactga	ctacaggnc	180
ggaaaaccgg	ggccccgaat	gaagga				206

<210> 387

<211> 222

<212> DNA

<213> Mus musculus

<400> 387

ctatatgtgt	accacatgca	tgccctgtcc	cncctgangc	cagcaagaan	gtatgnnacc	60
ttantanaat	tgaagcta	ggtggttat	gaaccaccaa	gtagatgctg	gcaactgaac	120
ccaggtcctc	ggaaagaaca	acacaagctc	caaacctccg	agccagctct	ccagtcggcc	180
caagactcac	ggttttaaaa	caactgttcat	gcgttgctg	ca		222

<210> 388

<211> 242

<212> DNA

<213> Mus musculus

<400> 388

aggtctggcc	tcccctcagg	aacccaatta	gtgtggcgcc	aggtggccta	caggatgggtg	60
tcttctgacc	taggtgaaga	tcttccacct	tgctacacct	gcaatttcct	acaggagcag	120
actgcgtgct	gagctggctt	tgcaacataa	tccagctgaa	acaaaggata	aagctgtgga	180
tttcccccta	tataaatgca	cagctgaaaa	ttaaactttg	agccttgatt	agaaaaaaaa	240
aa						242

<210> 389

<211> 146

<212> DNA

<213> Mus musculus

<400> 389

caaacgggag	ccgctntgna	ctgaactggct	gccttctctc	tcctccccct	cctccccctt	60
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<210> 390

<211> 364

<212> DNA

<213> Mus musculus

<400> 390

cttataacaa	gtattaaggg	tccagtatcc	tcactnccca	cgncangatt	tcaactgggnc	60
ttattacaga	taatgggagg	cacacagga	gngcaagaaa	atgtaatgct	actagggtgc	120
ggnccagaag	naccttctgg	ttcacgagaa	ggnacgtgta	tcttgctagc	tcctgncaaa	180
gncctcccca	acaaacgcac	ctggtaaaaag	actgnaaggg	cgtactcttc	atccatttcc	240
acgttcatca	gtaagcagca	gccgttgagc	ttctctgaaa	ctcatccggc	catcctgggt	300
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ggtg						364

<210> 391
 <211> 236
 <212> DNA
 <213> Mus musculus

<400> 391						
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ttctcggcat	gcttgctttc	ccttgccctg	ctggccaaga	actcttcagc	atctgtgagg	120
ggttgaaaga	tctcaagccg	tgaagccttt	aaaagccaat	gtgcagcttg	agagtcagg	180
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<210> 392
 <211> 104
 <212> DNA
 <213> Mus musculus

<400> 392						
gcatacaagat	gacctgattt	cccacaagcc	tgggattgct	gtctatgcat	gtgtctgtgt	60
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<210> 393
 <211> 299
 <212> DNA
 <213> Mus musculus

<400> 393						
tacctcaccc	gtccctggat	gcagnggcga	cattngcagg	anggnccanc	atggctaaga	60
nagnctgnct	tnccgctgac	ccnchnangc	tgaanctcac	aanacctgcc	cttccangag	120
gacattngtt	nagaagcctg	gccaccgnnc	atgagcangt	gngccaagga	tctccatgag	180
gggccacact	ggctctactg	tggttcagtga	gggagggata	tgctgtattt	gcagcangga	240
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<210> 394
 <211> 336
 <212> DNA
 <213> Mus musculus

<400> 394						
ggctcctcct	ggacacttcc	tgctgtgcag	ctttctccca	ccataggaat	cattactctg	60
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tgtoocaaatt	gtctgttagg	atgtggggat	ctcgcttggt	ccatgagaaa	tggcagaggc	180
ttttcctata	aaagtagcac	acaagacgac	agcataatct	atgaaatcaa	tattctgtcc	240
atgtgagggt	tgtaactttt	agtaccactt	tgaattaatg	atgttcaatg	aacagtttaa	300
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<210> 395
 <211> 228
 <212> DNA
 <213> Mus musculus

<400> 395
gcactctacc cctggacccc ggattgcac ataaagcagt gctgctcct gcttctctt 60
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catatgaaca gcttcaaccc catagcaatt atggtttctg tagtgcctg cattaaaaat 180
gctatctctc ttctgcaaca ataaagggtt ttacaaaagg aaaaaaaaa 228

<210> 396
<211> 121
<212> DNA
<213> Mus musculus

<400> 396
gacagggttt ctctgtatag ccagcgcttg actgtcccgg aattcactgc atagaccaag 60
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a 121

<210> 397
<211> 337
<212> DNA
<213> Mus musculus

<400> 397
aacttttggtc ccattcacc accgtcatcn cgaanaggaa caagatgnnc ntactatgtc 60
cggagnnact accaccagac ntatacctgt aacaagtaac ccaggacgga ntactgcngg 120
cnctcanggg nactggaaa nntcctgccc catggcccat tanaaaatan tttctctnca 180
cgaaactgtg ccctgnaggc ntncatcaac accatgaatt gaatggnacg gagtggnant 240
gntgaagaan taacatang ctctntatgg caaagcacac acaccacacg ggacctttac 300
atgnaatctg gttgttattg gggtttggat ttccaga 337

<210> 398
<211> 146
<212> DNA
<213> Mus musculus

<400> 398
aagagtgcct accgaaggag tgggatggct ttcttgccct gctgagggga ccatggccgt 60
gctgcccgc accgaaggag agtggttcac cgaggtcatt cttgcctgtc ctgccggaaa 120
ataaaatagg attttatgtt ctctctg 146

<210> 399
<211> 240
<212> DNA
<213> Mus musculus

<400> 399
gggcatactt tgagaagaca cagagcagc tgacaccctt tgtcaggtca gcaggaacta 60
gtctgttgaa cttcttcagc agtttaatga acctcgagga gaaaccggct cctgcggcta 120
agtgcagatgt gccaggcca gtcttccac cccagctgct ccactggcca ccgctagagc 180
ccctctccct acctctgcc tgtttttctc aataaatgag gaaggagtta aaaaaaaaa 240

<210> 400
<211> 280
<212> DNA
<213> Mus musculus

<400> 400
agcttctttt aatagtataa agcgaaggag aaagcggcgg tgatgctgtt caggagagca 60
cacacgtgaa gacaaatacg gtgattactc ttttcacggc gatggacacc aggaacaatg 120

cgagcatctg agggcacaag acttcatcac agggcctggc tttctcatcc tgacgcaccc	180
acagcaaggc ctggattatg cctgcttttg atctcactaa tttgctattg ggacagaagt	240
tattcatttg ggggtgcaata aagaaattcc aatttgaacg	280

<210> 401
 <211> 267
 <212> DNA
 <213> Mus musculus

<400> 401	
acctcccagt tcttgaagat ttctactgt ctagatgctg ccacaccttc ctgccagcca	60
gcccagaggg atgttccatc accttcacag tatttattat cctctgccac ctcaactgctc	120
ccatacagac atccttacac aaccagcaac gcaacaagga aactgaaaa aatgcctcat	180
tctaataaag tgactttctc cattaccctt acccctctac agacagattt aaaagcagac	240
agaacaaata aacgaacagc aacaaaa	267

<210> 402
 <211> 123
 <212> DNA
 <213> Mus musculus

<400> 402	
gggaacattt gtgggcagga aagaccngga aagtagtgct ggagaaggag actggagaga	60
aacactgggc ctgtccctgt gatgcacttc tgccagcaag ggcaagccta ccagtcctctg	120
aag	123

<210> 403
 <211> 315
 <212> DNA
 <213> Mus musculus

<400> 403	
ccctctacac taaagtttgt gcggttttga gacagggctc cgggtagccc aggctaatac	60
agctgaagat gaccttgaac tctgtcttct acttcctgag tggtgggatt tcaagtatgt	120
gctacgatac caagctgaat taggcctcta ccatcacatg caaggacctg aactacatac	180
acagcatcat taaacaatgc agtactttgt tctgaatagt tttagctcta ttataaatgc	240
catgttttac acctgggaga tagcaatatg aagataaggc tcagtaataa agatgctgac	300
agctaaaaaa aaaaa	315

<210> 404
 <211> 361
 <212> DNA
 <213> Mus musculus

<400> 404	
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tccttggaat tgctggagga atgtatatat atcagccaat atttgaacaa tattccagag	180
atcagaagga attaaaagaa aagggtgaagt tggttgaaga atcagaagaa aaggagagcta	240
attctgcata aactgaaatt gtaaaccctg cttaacgttc tattgaaatc acaccgacta	300
ttagtctagt aagacttttag gtatgcttta aataaataaa tcatgggtaa tgaaaaaaaa	360
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<210> 405
 <211> 329
 <212> DNA
 <213> Mus musculus

<400> 405
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ttaaagtatt cagaaaatto tgtcccagcc actcaaaggt tcctgacctt tctgaagtca 180
tggaactggtg ggccctggccc gcaagcgtga acagctgctg aattctgcaa acaaggactt 240
ggctcagtat ttgatagatg ccttgatttc catttcatgt atttaattta atttaataaa 300
atataagcat taataatgtg aaaaaaaaa 329

<210> 406
<211> 396
<212> DNA
<213> Mus musculus

<400> 406
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caatgcgctt gaaaatctcg ttcccaaagc gtgtctgtca gaactgttac tatagcttgc 120
agcatgagag gggggcagaa gatggacctc ggaactgctg agatggaggg actggcgaga 180
gaccacagcc taggaggctc ttcacatcct gccgggactc cagaggcact gaagcagtct 240
ccgtttacac ggctcttcac tgagtgttgg aagtgtgag tgtaaaggaa tcattggatc 300
acggcttccg agggcagtga ccggcacggg tactgtgcag tgaacagcac aagaggaagt 360
ggctcccagg agcatctcag acctgagtct ccccta 396

<210> 407
<211> 369
<212> DNA
<213> Mus musculus

<400> 407
ggtcttgggtg caactgaagc aggcgctatg atgtgttgtt tccatctgag caaatttcct 60
ataaagtatc ttatcagttg tctggagcca tagcaggaag tcaacttagat acatgtcatc 120
tgaaacccaa agtttggacg ttctccaaag ggtcatctgg atcgggtgtc ctacttttct 180
ctcagcaatg ctgaggtctc attgctaacc cctgaggata agggatggct agaattcagc 240
gtataacaga acataagaag agctggagga ggcggtacag acttggtantc ccagcactca 300
ccangctnga ngcaggaagg ggtggcctaa aagttccaga cccaacctga ntttccaggg 360
ggaagacct 369

<210> 408
<211> 102
<212> DNA
<213> Mus musculus

<400> 408
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cctgttgctt atganacctca natocaaagt tggccagcat tt 102

<210> 409
<211> 786
<212> DNA
<213> Mus musculus

<400> 409
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taggaattac ctccagggga agaaggtgca caggtaacat gggagccaga ccctggggtc 120
tcttccctca acttctctg ctggactttg tacacgggaa tcatctggcc tagagtgtag 180
cactctatcc tcaggacagc tgggtccagc cctcttgggt ggggaagaagc tgcaggacct 240
cctgaacctt agcctgtctg gctgagtgtt gggctccagc tgggcccgcac tctcctcaga 300
ttcacagccc tgccctggcc agtacatctt tggagtccat ctctgaaaaa atcatccact 360
gcagttacca gaatagctgg ccttggtaac tccctagccc agagactgtc gcaggatgca 420

gtgacagtct	taacctttgt	ggcatcgggc	acatacagaa	ggcacaactc	caaggcaata	480
aaccagccct	gcacatactc	taaggcctta	aggcttgaaa	gactggctca	gttgcttcac	540
cagcctggag	gaaagctaag	atgctgtgga	tgccatgaag	tgactgcagc	catgaagcca	600
catcctgtct	ggtgactgna	taaacttggg	atcctgggac	tactcagagc	ccctactgga	660
tctctacttc	tcaatgccc	tgccaagggc	ttnggccaca	ttntggacag	aagctttgag	720
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gagggc						786

<210> 410
 <211> 301
 <212> DNA
 <213> Mus musculus

<400> 410						
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gtcggaggcg	gctgcagcgg	gagctggagg	acgtcactga	gtctgcagaa	tccatgaacc	120
gggaggtgac	cacgctgagg	aacaggctcc	ggcgtggccc	acttacattc	accacacgga	180
ctgtgcgcca	ggtgttccgg	ctggaanagg	gcgtggcttc	tgacgaggaa	gaggctgaag	240
gagctgaacc	tggctctgca	ccangccagg	agccggaggc	tcgcgccctc	gccacacccc	300
a						301

<210> 411
 <211> 326
 <212> DNA
 <213> Mus musculus

<400> 411						
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ctatgtctcc	ttcctggaca	ggagactatg	gaggaagatg	tgggtcaaat	tcccttctac	120
cgcaagacca	taatcatcat	agaccgcat	cattggaaca	ctcagaagtc	caagttgcat	180
gctttttatc	tttgctatct	cttctcgct	ctgtccctgt	ggacagtga	cacagcatac	240
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ataaaggcaa	actggccata	gctaca				326

<210> 412
 <211> 304
 <212> DNA
 <213> Mus musculus

<400> 412						
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tcaggaaccc	caccccttat	gggctccang	ctngctgct	gnccccagnt	ttgnggctct	120
aanangccct	tgtgtctacc	ccacatcanc	ctgttgccat	ccatgtgtgc	ccnttgntga	180
aggcctcgnt	gnccctgcc	atgaggatgt	gtgccccagt	tanggggctg	ttnttganc	240
tggngggant	gctgaanacc	tngcggcnt	ttgcacctnt	gccttgctta	acctgggaaa	300
atgg						304

<210> 413
 <211> 491
 <212> DNA
 <213> Mus musculus

<400> 413						
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acttacctgg	tgatctcttt	aaccagttaa	tgaaagatga	tccttcaact	gtaaatgggtg	120
cagagatttt	aatgttggga	gaaatgttga	ctttacccca	aaatttcggg	aatatatattt	180
tgggagagac	cttttccagt	tatatcagtg	ttcacaatga	cagcaatcaa	gttgtaaaag	240
atatattggt	gaaggcggat	ctgcagacga	gttctcagcg	tttaaacctt	tcagcctcca	300

atgctgctgt	ggctgaactt	aaacccgact	gctgtattga	tgacgtcata	caccatgaag	360
taaaggaaat	tgggactcac	atgttggana	tggtaccgg	ttntcnaaaa	cttnnggtca	420
tttattaagt	tcactttcct	ttttcctctn	tttggctttt	gcataccatt	antaattata	480
taccttaaat	a					491

<210> 414
 <211> 345
 <212> DNA
 <213> Mus musculus

<400> 414						
gaacacgaac	tcaaacaatga	acaacgatac	atattacaaa	tgttcaaagc	tgattttgggt	60
agaattggaa	tacagttgca	tacaacatat	tccagaagaa	tcagaaaagt	caaagtaatg	120
gataacagaa	aagagcctcc	attcttcaat	gaagataacg	tgggaccatt	ttatttcaaa	180
cttcctttct	atgacaccat	ggaactcttc	atcgaaacgt	tgactggaac	atgttttgaa	240
ctaagagttt	caccctttga	agctgtttatc	tctgtgaaag	gaaaaattca	aagattggaa	300
ggnattagnc	tttgnacaat	atganggatt	aagcatctta	taagt		345

<210> 415
 <211> 392
 <212> DNA
 <213> Mus musculus

<400> 415						
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gaagntgatt	tccaggtcat	atgtcattag	tgtggacgct	gctgtcttaa	gtctgtggcc	180
atggcaccag	aacacaaaagc	ttgtgcctct	tactcagctg	tccacggagc	ctangaagcg	240
cctgggcccc	ggcaccagcc	ttgtctctcag	agaagatgtg	tctgcaggca	gcgtggacct	300
gtgctatctt	cctagaacac	attgnactca	tgtttttaac	acttggnttt	tgatttttaa	360
aattagtatg	agtgcctcag	atatgaaaac	ag			392

<210> 416
 <211> 155
 <212> DNA
 <213> Mus musculus

<400> 416						
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cctccactct	ntgaagtttc	atctntggag	aacgcattcc	agatnggagg	ccatccttgn	120
cactacatca	tcacgcctaa	taagaagaaa	cagaa			155

<210> 417
 <211> 404
 <212> DNA
 <213> Mus musculus

<400> 417						
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caaggggaag	actggteccct	gtggccctt	gccacaaacc	aanggaagng	acatgnnnnt	120
nactctgnng	accctggcct	tcctccagcc	ccccactggg	ggagtctgcc	tacagccctt	180
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tggcagcttc	aattcngatg	ctgcatctaa	ttaaagtntct	ggcacctggc	tgagtgccat	300
aagtgactgg	ncctgtgggn	cngctgnnt	aacctnaana	angcccttgc	tgcggtcttt	360
gccctttttc	aaggccactt	gcctcccccac	cttgggtgtga	aaga		404

<210> 418
 <211> 393

<212> DNA
<213> Mus musculus

<400> 418
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cagggggttgt tctcgagagt cttcagtatc ttctctcctg gcaagcggca gcctgagtgg 120
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cgtacataca cccgacaatg cttttgncaa tcttgatccc aagcagcact ttaaccctt 360
tatactatag aagagagact gttaatgaca tgg 393

<210> 419
<211> 283
<212> DNA
<213> Mus musculus

<400> 419
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taggagnaat gtncatttaa aaatagctaa ttgcatttct gcatgactgg gctcctaaaa 120
aagctagtcc ttagggctct tggagacagt atggagttcc agtctcctcc tggctgcctg 180
cagaagacag tctcttccct gctgccttca gatcaagatg taaactcttc ggcttctnca 240
gcaccatgtc agcctacagg ntcnctatga tcataatgga cta 283

<210> 420
<211> 444
<212> DNA
<213> Mus musculus

<400> 420
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tgcagcagtg gtggccatag cagtgggtgac agccagcacc ctggtgttgc tcctgattcc 120
gggggactct gagtgccagg aatggccttc aggaaatgaa cctggtcctg ccttccactat 180
gccactgaca catcttccag aagataccac aagaggggaga aattgaccga tggaggagga 240
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tagagaaaa caagctacct ggccatggca ttaagacaat acaatgcaac tgctatggat 360
ttgataaaaa ctgattaaat ttttaatttg ttaaatataa attttaattt gattaaaatt 420
aaattttaat taaatacaaa aaaa 444

<210> 421
<211> 412
<212> DNA
<213> Mus musculus

<400> 421
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gggctctcca agccagcagg aggagtctga tgctctaagg ctagcgctat caaggaggga 120
gcgtctgcga agagtttcaa gacagcattt catcttatgg atttgccata gtccttccaa 180
gttgacttat catgcanntg aagaaatgga tgagngaaga gannnccaan atggaggagt 240
ctcagctata tccaactgcn acatacaaac atatggtaat ggcactgtna ttctgaaact 300
aangacataa ataatgctgn gtaataattt aaaaacaaat attcagacta aactataacc 360
actacagagt ntacatccat aaattactta tgctgnaaat attaaactctg tc 412

<210> 422
<211> 374
<212> DNA
<213> Mus musculus

<400> 422
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 gatacgtttg cctaatatgc gaccatgcc aacaggcttc tncacacnct ggcaagttgt 120
 acnngcata tcagcaangg ctctcnagat gtctnagac ttactnngct tanattanga 180
 ccacttaccg aaatatgatg gtacagnatg cnacaatggc ctgaccatac agantcnttt 240
 anactcatnc tntccangga tgacanctga cagatnga ataanccacann tcttggnnan 300
 gaaccggatn gcactngacn caagcagact ntttccggtg aatgctgtgc attgnttgga 360
 cggaagaac ccgg 374

<210> 423
 <211> 362
 <212> DNA
 <213> Mus musculus

<400> 423
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 catattgtcc tgaccctga aacccaagga cgggtcagac tctgtctcca nctgaggctg 300
 caggtnttag ggggaaagga atgggggaaa cggacacccc aagtgggagc ctgagccaaa 360
 tc 362

<210> 424
 <211> 375
 <212> DNA
 <213> Mus musculus

<400> 424
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 ccagtaccat gttaggggct accagctgna caaaagcagg agtangagaa gacgggaaga 120
 cagcaagatg tccaatgatt taccgtgtcc acccaggcc aggtcacat cacacaaggc 180
 aggggtgtag tcacctgctt atgaagccaa cgtgtttgca tgaccatgcg tgaggcaaga 240
 cccgattggg tatgactgga ggttgtgtgg atttaaaaaat cttttaaaaat ccttaaaactc 300
 ggttcattca aggtatcctg aggccacag gaatactctc cctctgcttt ctatcgtgaa 360
 gggcttgagg gaggg 375

<210> 425
 <211> 192
 <212> DNA
 <213> Mus musculus

<400> 425
 coatgcacct gagccatctt cccctcttag gctaaggaga tntgtgactt ggtctggttg 60
 gaagtcctgg taggaagaaa acattgagca ggtggtaagg aaaggggcat nctgcactgt 120
 gggggaagac cttaatccta cctcaggaga agacatgatg ggaatgttct gccctgcatg 180
 caccttgggt gc 192

<210> 426
 <211> 331
 <212> DNA
 <213> Mus musculus

<400> 426
 catcaatagc tagctttctc acagtgttag cttggatatc aaatactttg ctccggacgt 60
 ggtgccttgt gcttcatagc ttaacactca tgacgaatat gcagcttaat tctggttcca 120
 gcagttctat tggaattcag gagactacgg ctcatctgtt ggtttcagat ccaaacctta 180
 ttcattgtgtt agtgaaattt ctttctggta ccagtcctca tgggacgaat cagcatagcc 240

cacaggtaat aaagtgttta aatattgatg tatatgttca tacctctcag taaacagata 300
attaaagtag cctttatgac caaaaaaaaa a 331

<210> 427
<211> 391
<212> DNA
<213> Mus musculus

<400> 427
agacttcctg cttgggtgctg accanaogga attcccagag ggacccactg agcaactcat 60
gaaaggggaag atcacatttt cgcagggtgag gggatgctgt gtggacccct gagggaggtc 120
ctctgcatca ttaattttctg ccccatcctt caacaccctg tgggcatgtc ctgcaacccc 180
acccccaccc ccataaactc acaaaaatagc aagacactga aagggtgtgtt tagaactggg 240
ttgttgtctg tctggggccaa cctgagggac ttttcaagcc ttgaggaact gtgacaagaa 300
atcatgacaa ctagagtggc tatttcagga caggaccact caattaactc aataactata 360
gaatangggg ctttgaggtc tgggactgag g 391

<210> 428
<211> 115
<212> DNA
<213> Mus musculus

<400> 428
aaacatctgt ggccatcatg gaggtgggtg aggtggagag tcccctaaat ccagctgta 60
agtctgcaga aattgatgat ctattaaaca ataaagatgt ccactaaaaa aaaaa 115

<210> 429
<211> 115
<212> DNA
<213> Mus musculus

<400> 429
tttgagggtgc tcatggtgggn tgatgatgca gaggaggaag atgacctaen ntggacngtg 60
ccactagagg acatgggaca gcctacagag gaggaggctg agcagtcttg agccc 115

<210> 430
<211> 400
<212> DNA
<213> Mus musculus

<400> 430
aggatgaacc ttcttccoga cctgtttacaa gccaaacagc ctcaaagaaa actcttagaa 60
caccagaggc ttcagtgatg aatgaagacc ctataagcaa cttatgcaga cccccattaa 120
gaagcccaag acttgattca acataccaaa caaatggaaa tactaaaacg aatgaaagag 180
gtttgttttt ctctaattct tagagggttt cattgaggat tcttagcaac aaaatgcaca 240
agtttttatg gcttcagaat tttactttgt tcattatctc aggtccttag atttttattct 300
gtgtaaaatt aagtcttatt acttgaatta catgtgagac tgcataataa taaagtactt 360
ttgngtgggt ctgaggggatg gaccgggggc tgacaaaaaa 400

<210> 431
<211> 217
<212> DNA
<213> Mus musculus

<400> 431
cccagggtct ctgccactgt agcacngggg nctaaactaat gngccacctt gccaatctcn 60
aaggacatta atgggnittct gattgtgtgc nnnctgcagg atcctggatg gaccttgtga 120
gtgtggctcag cctcttgag gaaaacaact tgctgacagc ctcaggctgc tggatttcca 180

ctgcctctct ataggaaatt ttggttaaaa aaaaaaa

217

<210> 432
<211> 384
<212> DNA
<213> Mus musculus

<400> 432
atgatgaagg ctcattggac atatatgctg ggttggacaa gtgctgtttc tgacagtact 60
gctagatcct gtgtgtcatt cagaaactgt ttagatttgt atgaagagat cctgactgaa 120
gaaggaactg cgaaggaggc aacgtacaat gacttgcaga tagaatatgg gaaatgtcag 180
cagcaaatga aagacctgat gaaaaggttt aaggaaatac agacacagaa cttgaactta 240
anaaatgaaa accagtctct taagaagaat atctcagcac ttatcaaaac tgccagagtg 300
gagataaacc gtacggatga agagataaat catcttcacc aaagattgtc tgagtttcca 360
cattttcnaa ataaccaccag gaga 384

<210> 433
<211> 184
<212> DNA
<213> Mus musculus

<400> 433
gactatccat totccgtgtt gatgggcatn gtcattggctc gagctgagcc taccctgaat 60
gaggctgttt tactottccg gaggttgcca ggtccaacaa tgcacgtgct accaagcagg 120
aggcgtggg tgcagggtcca gctatgctgc agaactctgc gcatgcctgg gagagaaaaa 180
aaaa 184

<210> 434
<211> 224
<212> DNA
<213> Mus musculus

<400> 434
gtctccaaaag aaaacagaag aggacatggg attccctgga actgatggac aaatgatgtg 60
agcggctcctg tgggcaatgg aaattgagct cagtcctctg caganctgcc agcgctatca 120
ccgagccatt cattccttca nnttcttctt tctgggnttn anttnccaaa ngntnttnc 180
tgggtggcttt nagggcntan ttttaaaggg ttgggttggt tota 224

<210> 435
<211> 405
<212> DNA
<213> Mus musculus

<400> 435
tgctaaatga agccaagaaa gttgataatg gcaacaaagc aacagaagac gactctctc 60
ctggcaagaa gatgcgcacg tgccagagaa aagggcctat ggctggaggg aaggacgcag 120
acaggacaaa agacaatcga gactctgtga agaccttgct gttaaagggc aaagcccctg 180
tggaccocaga gtgtgcagcc aagggtgggaa aggctcatgt gtattgtgaa ggagatgatg 240
totatgatgt catgctaaat caaaccaatc tccagttcaa caacaacaag tactacctta 300
ttcagctgtt agaagatgat gccagagga acttcagtg ttggatgagg tggggccgag 360
ttggaaagac ggggcagcac agcttgggtga cttgttctgg tgacc 405

<210> 436
<211> 229
<212> DNA
<213> Mus musculus

<400> 436

ggcatgaatg	gattgcgctc	anatttacca	aanntgaatg	ccaacatgaa	gactgtgnanc	60
ctagnccctga	agatnatgat	tngtatggaa	ggggaccccc	anaaccctna	caaactgcac	120
attgtcacaa	gaatagttaa	gtacataaga	ggcgtccata	ctgggaaaaa	gataccatcc	180
cgatgcttgg	antacagaan	gcacacagcc	ctcagaatca	caagaacat		229

<210> 437
 <211> 294
 <212> DNA
 <213> Mus musculus

<400> 437	
tggtgggaag	gacagctgtt
tgcattagca	aatctaagac
tatgtatcag	acagtgggtc
cctgtatcgc	atagccatca
tgaaggtgac	gaggttgaag
	atctctatga
	actgttgaaa
	cttgtttaag
	aaaa

<210> 438
 <211> 317
 <212> DNA
 <213> Mus musculus

<400> 438	
gcttgttttg	atccacctct
aaggcagccg	acccagtcca
ttagctgagg	tatatagctt
tagganagan	agagggagtn
ccaacccaan	ncnnaatttt
cttctacatg	ggaaata

<210> 439
 <211> 327
 <212> DNA
 <213> Mus musculus

<400> 439	
caactgagga	agtggagaag
cgggccggac	ttcccacaa
tcccggggac	cacagattgg
ggcctttctca	gctgtgtgtc
tagaagcatt	gccaccaaca
aaaggggagt	caggaggaaa

<210> 440
 <211> 418
 <212> DNA
 <213> Mus musculus

<400> 440	
acaggtgtct	agtatgtatc
tcaaactcac	ggagatctgc
agcaagactt	caacttttga
taattcctgt	ttcattgatt
cagatcacag	ttctccttga
gtattattct	ctctcccaga
tgccgtgagt	gctgngtctg

<210> 441

<211> 383
 <212> DNA
 <213> Mus musculus

<400> 441
 aagactgaga tctctgcctg gcagattaac taacgacaag gaagactggc cttacctcca 60
 ttcccagtg tgccttttac aagacctctg caacagactg tagccaagc ccccttgctg 120
 cctgttttac cccagacatc tttctgggt cacttgaag tcagcagctt gaagatgagc 180
 agcaccctct tagcatgacg accttggacc atgtcattgc caccaccag tcagagtggg 240
 tctccttcag tgaagagcca ttgttcccca cccctttaga ggggggact gaagagcact 300
 tcccaggact gtcactcttc tcanagcggg ctgagagctc ctctggggag aacctgtgctg 360
 tggatgaagg ctcccaggac ctt 383

<210> 442
 <211> 165
 <212> DNA
 <213> Mus musculus

<400> 442
 gatttccaca ggtatacan gagaaacct gtntcnaaaa accaccgaaa acgatagctg 60
 agancngnng taacactcat cttnaatoca agtacttagg aggtaaagac agaaagttct 120
 tctgctacac agagttcaag gccagcctgg gctacaagaa actca 165

<210> 443
 <211> 298
 <212> DNA
 <213> Mus musculus

<400> 443
 ttgacacact gagcctagca aagctggcta tgaccatcog ccgcttaagc ggagccacct 60
 gctgtgctgc tcctttgatg tgccactacc tgcccgagc ccaacctgcc tgaggcagaa 120
 cctgttgtct tccaagattt tctggagtta gcaccgaact gcaatcttca cgagttccca 180
 ctaaaagact gacctatcta cttcaaagaa actttgcatg gctaggtatg ggctccct 240
 cttctttata aagcgtgttt gctgacatta aaattgaact ttgatcagaa aaaaaaaa 298

<210> 444
 <211> 423
 <212> DNA
 <213> Mus musculus

<400> 444
 agctcctgaa gttctgcat tccccgtggg ctgcagttca ggaagcttct ggaacatgag 60
 gcgcctctgc catggaaaca agatccgcgt cgtcagcttc agatgtgttc ttggaacact 120
 gagttgcct tggcagctgt ccgaaagtta atcctgtgaa gggacctgaa gcagccctct 180
 gaggaagcct cgcgcacccc tgccgaagaa catcgcatg tgttcattcc ccttccgttg 240
 gcctcaggat ccaagcagga aagaagaggg aagaactctg aaggacatga gagggaccca 300
 gottacagtc cagggttccc agactgccct ttgagaataa aataggaggc cagaatcaaa 360
 gtcttttgga taaaacaccg cgactgacca cacactaacc catttggtg ccttcttttc 420
 caa 423

<210> 445
 <211> 280
 <212> DNA
 <213> Mus musculus

<400> 445
 cttgcagacc cttatcgacg tgggtgctgtc tcaacactaa cttggatctg aatctccctg 60
 agtgctggag tcagttctcc caagcgggtg agttctacct tgcattctct accaggaccg 120

cttagtaata gctgtctgct ggctcagcgt ctagttcatt tcatactttc cagatcactg	180
tgttttagca gcagccggcg ttgcatcctc gggcagtatg agagcctgtc agcagggag	240
aagttccagt ttggtttctc catatatggc acccaaggtg	280

<210> 446
 <211> 193
 <212> DNA
 <213> Mus musculus

<400> 446	
gcaaagaaca gaagcagacc aacatcgaat ccatgaaaat ggagggctcc cggggccgac	60
tgcgaggtgg cttgggctgg gagtccagcc tccgtcagcg acccatgcca agactcacct	120
tccaggcagg ggaccctac tacatcagca aacggaaacg ggatgagtgg ctggcacgtt	180
ggaaaagga ggc	193

<210> 447
 <211> 242
 <212> DNA
 <213> Mus musculus

<400> 447	
gcaccagacc tgttgctgtc aagatggagc agcacactag taaccctact aaggaaaaag	60
gngctngnga aaatcccnng ggatgccttt gagcnctaag antgcttggn tgccnacctt	120
gatctttnaa cccatnttgc tcnacgnan atnttnatna tcgnaaacct tgctggcttc	180
cctntcacag nngggttctg ggaggtagag cntgaactgt tcttnccttg gcttatgtcc	240
gc	242

<210> 448
 <211> 340
 <212> DNA
 <213> Mus musculus

<400> 448	
ggtgtctttc tgtgccgaac atgctngaag aaatgcccta gcacttcatg nnnatangta	60
gaagagcaac ccnggcccta tgggtggaaa ccntnttgtg ccagttgagc tcatangcta	120
ctcanagctg agatagnaga ccntagant aggagcttga ancgctcgnc totggcatga	180
nngagtcgat gnagntgaac nagnggcttt antatgagag anttgctagn nagtgcgcag	240
tcattgacat tgatcagttt aaaagactcc aacacntngt caaagagaac anncgngat	300
ttntacactt tnnnaagag gaggacgagg ctttaagtag	340

<210> 449
 <211> 375
 <212> DNA
 <213> Mus musculus

<400> 449	
atgacatcat ctgccccatc ttgtggccta atncacgctn taccctcctg agccgtgttt	60
acnagtccta ttatggnacg ggaccaggcc aatnccttta ccacttacag antgtangaa	120
ncaactgtca ccnangtggc ttnnnangan gggagggagt agaactgact gtccctttgg	180
gccctgacaa gtgaaatcac cttncattgg tttgggctgg aaactcatgg ntggagcaca	240
ggaagtgggc ttngngtcac tttggcctgt cacttanatg gccttggtc tagcttcaact	300
cccaaagttc tactggatgt ctgatgcaca aattcanagc tttcgggncc tgaatnccgg	360
tataacatga cacc	375

<210> 450
 <211> 172
 <212> DNA
 <213> Mus musculus

<400> 450
 tgcatagcacat ggactaagtt gccagangt ttagtacttg ctcccaccgg gencatgctg 60
 nnnatgacat catctgcccc atcttggtgg ctaatccacg ctgtaccctn ctganccgnt 120
 nccaccgncc tattatnngn nngnaccagg ccaatccctt taccacttac ag 172

<210> 451
 <211> 112
 <212> DNA
 <213> Mus musculus

<400> 451
 tttgtcccaa cagatgggat tgaagaaggc ctctcaggca gattttaact ctgactactc 60
 tggagataag agcgaggcaa cagaaaacta ataaagattt gtatttgact ta 112

<210> 452
 <211> 250
 <212> DNA
 <213> Mus musculus

<400> 452
 gggttggtgca ggaaatatta anaaaatgaa cccaccaact ctctgtgngg ccgaaccaca 60
 ctcccgcgct cctgccagca cgcggcaact ctctccagct agccccctgca gcactctggct 120
 cgcttgncgc gggagccact agttccctct ctgctataat cccctgtaat tggatgatccc 180
 atattccagt aaccaaatgg aaccaccaac ctcgagggtg catattacaa tacacagtaa 240
 cccggtaaaa 250

<210> 453
 <211> 615
 <212> DNA
 <213> Mus musculus

<400> 453
 gtaattgtgg atcgccctctt acatnccttg gngggtcgan ccggaanage nctttcacng 60
 gaagtnccct ngaaanaccg gtacccttna attgnggctt nggcctccgc aaaccnaaga 120
 cccttttact ttgtnacggc aaaagggttn cggggtccaa ancanctant agatttnccc 180
 cggtaacacg tnggcancta atatttgga atcgntctt ttnnaaattg cntngtctt 240
 ttaaaccggc attgnggttn gaccnaacc ctttaenttt taatcnggcc ttntacatta 300
 accccgggnt gggtnngcnt tccaaacccc ttgggcgatt tcnaancctt tggggcncgc 360
 ccttggttctn gggaaaactt ggcttgccac taatttaa at ccggcacgcc tggctttntc 420
 ctcatcngcc tccatagtng ataagcctnc aagagttaca accagagtgg cctggaagcc 480
 ggacgatctt tgggttcttg ccagcttatt ntgctagcga gcttgnggnt ggcctacaag 540
 ataaentgna taaccacngn ttcagaggca tntgcctgna tnaggccaca ggcctntgaa 600
 ggaccttggc catgg 615

<210> 454
 <211> 343
 <212> DNA
 <213> Mus musculus

<400> 454
 accatccaca catgattgaa tcattaataa tctacatgat tactnctcgt ctgcaaaatt 60
 aagcagttct gagaagtcaa gcaactcact gtcttctcct ttcactcttc gtttctctgat 120
 cttaccagt catcggtgca ggtggctcata tatgcttagc agaactgcag gacactggac 180
 atactatgga ggcctcagcc tctttctctc ctgctccctt gctgtggagt aacttcatcc 240
 atcacgctgt ctagtggtct tcttcagatt atcaaagttc caataatcgn ctctagggga 300
 catgtctcta aatnccatto agaagtttag cataattttt agt 343

<210> 455

<211> 266
 <212> DNA
 <213> Mus musculus

<400> 455
 ctctgatccc gcttgctggt cctactgaca cctgagccgc ggtggcgatg ctgctgaggc 60
 ccttccagcc cagcagtgcaa cctacttggt aggagtgtct tttancctca aggnntnctca 120
 agtgcangaa gagagtgatc tagaaatgta attgaaaata gaatagcatg aaagatatta 180
 atgtctttga atattttattc tcagtgtatt ttaatatatt gataataatt aaagggtctgt 240
 gagttaaacc agtggttttag gatata 266

<210> 456
 <211> 412
 <212> DNA
 <213> Mus musculus

<400> 456
 gactgaggtc cggatggcga gggggcacag gagctctcga tgtgacctgg cgctgtggat 60
 gtgatgcaca gcagcttgag tgggactgct ccgctgtcct catgagagaa cgctttttct 120
 gaagatggga ggtggctaata gaaagaagga attgtgttct cggatgatgcc tggagagat 180
 gcgtgacgtt ggaagatgat tacgaaatac aggaaggaa tgaaatcaaa ggtgttttt 240
 tgtaagagta acacttacag aaatattcat taatttgaag atttatataa ggctgtgtga 300
 cctccgttaa ttcctgggac ccacagtgtg gaagaagaga cctgactcct gaaagtgtgc 360
 ttctgaccac atatacacaa tatgtaaata aatgtaatta aaaaaaatca aa 412

<210> 457
 <211> 329
 <212> DNA
 <213> Mus musculus

<400> 457
 tcaatgctag aagggtgaagg aaagccactc aaccagact cagtcagggg aacctctctg 60
 gaaccatact tctgaaaacc tggatgccaa tgacattttt tgtggagata agattcaagt 120
 acagaaaata aaagtgcata ggctgttga aataccagct ctactaaaag cagcacttaa 180
 ttctaagaaa tggggctttc ttatatgctt tacacatttt ctattatcaa agttttatat 240
 gttgtctcta taacttctgt gattgttgaa tttgtaattt ttatacctaa aacttaaaat 300
 aaattcacac aatttctgta aaaaaaaaa 329

<210> 458
 <211> 218
 <212> DNA
 <213> Mus musculus

<400> 458
 caagccatct ctccagcctg agagtgcgtg ttottatcat gagaagacaa acagcagtgg 60
 agttggcaag ctgcctcagt gggattctga tgcttcatga catgccatca tgtagagcaa 120
 taatgaacac tggcctattt tggactagcc gacaaccctc agaaatgata ccgtaataac 180
 ctaccgcagg gaagctgagc tcgagtcttc atgactat 218

<210> 459
 <211> 432
 <212> DNA
 <213> Mus musculus

<400> 459
 ggacaagttg cttcctgaag gatccatgtg tattgttcaa aacacaagct taaaaagagt 60
 gcctgcagac agatggccca catcttctgt tatggcacc cgaagcgcg ccaaccaaac 120
 cacaaagtca tgctggacca ttcacatggc ttagcagcct tccgaggccg aggctgcaca 180

gttgagtcc	tcccactgg	gattgcagg	gagcacaaca	taccttggct	gctgtaccta	240
ccaggcaagg	gccactgtgt	gacaggtgag	atctacnagg	agnacganca	catgntgngt	300
ttcctggatg	actttgaana	ctgncccagn	atgnnccagc	gcacanncct	gnaggtgcat	360
gngctngagt	gngagggtga	cagtgcacct	ggtgacaagt	gttgagntct	ttnggtacac	420
tacagcctcc	ta					432

<210> 460
 <211> 340
 <212> DNA
 <213> Mus musculus

<400> 460						
ctgaggccct	tttagctacc	cattactgga	ccagaaagat	gacatctatc	atcaagttaa	60
ccaccctctc	tgggggttcaa	gaagagtccg	ctctttgcta	tcttctccag	gttgatgagt	120
ttaggttttt	gttggactgt	ggctgggatg	aacactttctc	tgtggacatt	attgattccc	180
tgaggaagca	tgttcaccag	atcgatgcag	tgctcctgtc	tcctcctgat	ccactccacc	240
tcggtgccct	ccatttcgcc	gtggggaagc	tgggtctaaa	ctgtgccatc	tatgcaacaa	300
ttcctgtgta	taaaatgggc	cagatgttca	tgtacgacct			340

<210> 461
 <211> 134
 <212> DNA
 <213> Mus musculus

<400> 461						
caggatttct	ctgcctctgc	cnaccttngg	ttccttgncc	ctnagagnaa	ctancctgga	60
gncacttctc	tggtgacacc	nactcaaana	gaacacttct	gattaaaaacn	tgtggaaccc	120
acagatggac	aggt					134

<210> 462
 <211> 390
 <212> DNA
 <213> Mus musculus

<400> 462						
gactgagctt	gcccggggtg	caaattggaag	atttaagtcc	cgttctggac	acaaaatcaa	60
ctctgtgagt	ggtgactgtc	agctgccggc	ttcaccaatg	ccttctcaaa	gcatgtctgt	120
ggaagaaaca	gcaagaaaac	tgctgtctaa	cttaaggga	attcttctat	actttgttcc	180
cgagtttcan	ctatcatcan	aatttgagng	cacatctgng	gaagaactca	taacaaatcc	240
tgagctggag	cgatgcccac	agaatatana	cgaaangcta	aaaacgtgtt	ncaaccagat	300
ccagaatata	tacatggctc	agtatganaa	aagactcnng	aggaaaatgc	agtcattgt	360
ctatgangca	acacagaagg	ggcttactca				390

<210> 463
 <211> 149
 <212> DNA
 <213> Mus musculus

<400> 463						
gacgtgtcaa	aaagtggaga	angnnatgc	cttcaaagcc	caccgtgctn	agctgnccgn	60
tantagctct	tacttccggg	acctcttcaa	cagcagccgc	agtgtctgtg	tagaactgcc	120
ggccgctgtg	cagccacagt	cattccagc				149

<210> 464
 <211> 128
 <212> DNA
 <213> Mus musculus

<400> 464
gcccttctcg aagccacaaa aatctggaac ctggtgtcct ggccatgtgc tgaatgcacg 60
cacagcacag ctctggtatc tgttttaaat tatccattaa aataagtaca gtcttggaag 120
aaaaaaaa 128

<210> 465
<211> 108
<212> DNA
<213> Mus musculus

<400> 465
gcccatcttg cacagtccgt agaccatgac ttttacgtgg atatngaccg caaagaggag 60
agcttctncc agnccnaggg ctccntngat gctctgtgta cacacctg 108

<210> 466
<211> 197
<212> DNA
<213> Mus musculus

<400> 466
ttatacaacg ccgtgactgg naaaacccctg tacgtttacc aacanaatga gcttgccaac 60
acatanccnt ttngccagct gncgtaatat cgaatagggt gaagaaaatt ngancccata 120
gagggntgcg ccanttttgg ggcccttccg ttgcgggggc agcacaccat gaccactggc 180
cgcagggggc cgaactg 197

<210> 467
<211> 163
<212> DNA
<213> Mus musculus

<400> 467
ttgatgatac aaggggaagt aataatgaca actaccaagg agatttggag cccagcttag 60
agacacctgt ttgttcttcc tattatgaaa atagcccggg ggagcccag tgtcatgatg 120
acaattccca ggaagatgaa gggtttatgg gcatgtccca tgt 163

<210> 468
<211> 324
<212> DNA
<213> Mus musculus

<400> 468
gatgaaaaag catttgtaac tatgaattga ctacagtttt cttcttccct ctttccctgna 60
attctgtntc tttccttttg ttccttccct gcttgagaga ctcaaagcac ccgngactct 120
gntnccccat ttaccccttt ttgaatttgc actaagtcna ttgactgggt ttggagtccc 180
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<210> 469
<211> 174
<212> DNA
<213> Mus musculus

<400> 469
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<210> 470
 <211> 109
 <212> DNA
 <213> Mus musculus

<400> 470
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<210> 471
 <211> 416
 <212> DNA
 <213> Mus musculus

<400> 471
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 ttacttaaaag gagggctoga tggggaatat caagatgaca gcttagatct gcttcattat 180
 ttcacggtta cctgttatct tgggttatggg gacgatgaaa ggggggttcta tgcagtgtat 240
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 gaggattttc caaccttcgg cgactccag agcgactatg acacgggtgt ccaccctttc 360
 tacgctcact ggcagaattt tctgcacaca aaaagaaatt ttcttggaag gaaagt 416

<210> 472
 <211> 180
 <212> DNA
 <213> Mus musculus

<400> 472
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<210> 473
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 <212> DNA
 <213> Mus musculus

<400> 473
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 agacaagcct ttaagaaatt agcactgaag ttacatcctg ataaaaacc gaataaccca 360
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<210> 474
 <211> 255
 <212> DNA
 <213> Mus musculus

<400> 474
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 gagaagtcag cttgaacatt taagatctga gcactcattt ctaagtaaac ttactggctt 120
 caatataaga aactattcca agatggaaga cattgtaaac actgaagaga cagaaaaaga 180
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<210> 475
 <211> 495
 <212> DNA
 <213> Mus musculus

<400> 475
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 gctatgccac tggcattgat ggctacatgg ctgncaatgt taccctcttt ggtcttaact 420
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<210> 476
 <211> 216
 <212> DNA
 <213> Mus musculus

<400> 476
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 aagccaggtn aagcctntgc cctggccccc acctaccanc tncctgaggg cctgccantc 180
 ttccanaggc ccattgnttg aacccttgac atccca 216

<210> 477
 <211> 222
 <212> DNA
 <213> Mus musculus

<400> 477
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 aaagtgaag aagatgggag gcatacctgg tgctcaacac gcagtaggcc ttcaataaaa 180
 gccacttgca ttagcatttt atacttcact taaaaaaaaa aa 222

<210> 478
 <211> 290
 <212> DNA
 <213> Mus musculus

<400> 478
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 ccagtgtgca caaaccctct ctctgtcctc aaggcgggtg tgaagcagtg caagaacatg 180
 caggagcgca tgctgtccca gctggcogca gccgagagca ggcaccgcaa ggtgatcctt 240
 cgacctttga gaaaaaagga cagagncttg ccaggacac tgttgaagga 290

<210> 479
 <211> 310
 <212> DNA
 <213> Mus musculus

<400> 479
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ctgacacaag	aangttattg	tgagtttgag	gccagcctgn	gctacagaat	aagaaccttt	300
ctcatataga						310

<210> 480
 <211> 373
 <212> DNA
 <213> Mus musculus

<400> 480						
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tagtatatgt	atatttttaa	ttataaaaagt	tcagggtggag	tcttcagttt	atcagtactg	120
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aaaattaaac	ccattgcgtc	attgtaannn	angnangggg	gtaaattcag	gatacaagtc	240
atggaataaa	cttcccacat	gctttgctta	aaaaacaaaa	ccaaccaaac	tcaaccatta	300
caccgaactt	tggacttctt	gaattgagct	ttattttta	ataaatacct	gaagtgattt	360
tctcagaaaa	aaa					373

<210> 481
 <211> 421
 <212> DNA
 <213> Mus musculus

<400> 481						
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ttaagtagac	tgtccaaga	ttgggatgac	acctcatctc	cgttatgcca	tctctttcac	360
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c						421

<210> 482
 <211> 428
 <212> DNA
 <213> Mus musculus

<400> 482						
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tatgcogctg	gaagcttgcc	atgggttttg	taggagtgat	ttgtactggg	ggttttctcc	180
tcctcctcct	ctactggctg	cctgagtggc	gagtgaagc	cacatgtgtt	agagctgcag	240
ttaaagacag	tgaagtgggtg	cttctcagga	caactgatga	atttagagta	tggttttgtg	300
caaaaattca	ctttcttctt	gtggagaatc	aaccaaattt	gaatgcaaaa	tgtttagtta	360
atgaggtttc	taatggccat	gctgttcctc	tgactgaaga	aaatagatgc	gagatgaata	420
aatctcac						428

<210> 483
 <211> 324
 <212> DNA
 <213> Mus musculus

<400> 483						
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ctacaacagc	ctagtttctt	tctgtgtacc	cctctggaga	cagctgggtg	gaccgggtgac	120
ctgcaccatc	agatttattt	ttctaagagg	gctcttgcaa	tccttacttg	tttagagggtg	180

gtcagctggc ccaagtcttc agattgaacg actagcatct cctgatctct atttggccag	240
aggccacttc tccatggagt cgggtgtgtg cccacatccc aagactttta ataaatctcc	300
ttggttttctg ttcaaaaaaa aaaa	324

<210> 484
 <211> 255
 <212> DNA
 <213> Mus musculus

<400> 484	
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ccatgtctgc tattgaaatg atggatoccta agatggatgc cggtatgatc gggaaccaag	120
tgaatagaaa agttctcaat tttgaacaag ctatcaagga tggcaccatt aaaattaaag	180
acctcagcct gcctgaactg ataggaataa tggacacctg tttctgctgt ttggttaagaa	240
ataaaataag actgt	255

<210> 485
 <211> 557
 <212> DNA
 <213> Mus musculus

<400> 485	
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agggtcatgcc ccnaaaccag aaggcaattg gaaatgccct ganntcctgg aatgagacct	120
tccacgccag gttgnctagt ctgnctgana aaccacctgc gattgactgg gcttactaca	180
gggccaatgt ggccaagcct ggcttgngng atgattntga aaagaagtat aatgccctga	240
anattcctgt gcctgaggat aaatacacag ncctggngga ccaggaggan aangangatg	300
tnaanagctg tgctgagttt gagtctggat cccagctcan gatccangat tatgagaanc	360
agntggagaa natgacgaac ataattccct ttgaccanac gaccnttgat gacttgaatg	420
agatcttccc agaaaccaag ctggacaaaa agaagtacct gtactggccc caccagccca	480
togagaacct gtgaagcagc ctgggacgga gcccgggccg acatgaaata aaacatttaa	540
atagtgaata aaaaaaa	557

<210> 486
 <211> 247
 <212> DNA
 <213> Mus musculus

<400> 486	
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ggcccagcag cgtgcgtcgg tttgaaagct cggctccaac ccagcggact tcagaagcag	120
ccggtggcgc agttccccgc cccctcagcc ctgtatcnna cccanancct gangctgcnn	180
tnttaccnnn agggntctgt gngcannn ttantnccac tttcatactg gaatgtgcag	240
gcagaaa	247

<210> 487
 <211> 234
 <212> DNA
 <213> Mus musculus

<400> 487	
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atcgttncat ggctcacanc agaatatcat aaaaacactt ttacagctta aaaa	234

<210> 488
 <211> 489

<212> DNA
<213> Mus musculus

<400> 488
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gctcacagac cttctagagc agcgtctggc tcatggatct ggagattatg gacagaagat 120
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cctcatitit 489

<210> 489
<211> 390
<212> DNA
<213> Mus musculus

<400> 489
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gccagcgagg cccaggcggt gctggcacct tatgcccggc tgccctacaca ccagcattgt 360
ggccccgttc cacagaggct ctgctgggct 489

<210> 490
<211> 900
<212> DNA
<213> Mus musculus

<400> 490
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<210> 491
<211> 263
<212> DNA
<213> Mus musculus

<400> 491
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tatacacttt	ggaatttcct	ccctaagaat	ttgtttgaac	agttttagaag	aattgcgaat	180
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accagtggac	ttccactttt	ttt				263

<210> 492
 <211> 182
 <212> DNA
 <213> Mus musculus

<400> 492						
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<210> 493
 <211> 868
 <212> DNA
 <213> Mus musculus

<400> 493						
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<210> 494
 <211> 118
 <212> DNA
 <213> Mus musculus

<400> 494						
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 <211> 276
 <212> DNA
 <213> Mus musculus

<400> 495						
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<210> 496
 <211> 391
 <212> DNA
 <213> Mus musculus

<400> 496
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<210> 497
 <211> 441
 <212> DNA
 <213> Mus musculus

<400> 497
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 aaaaggaaat ggggtgcccc gccgtggtgg cgcacacctt taatngcana ggcaggtgga 420
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<210> 498
 <211> 101
 <212> DNA
 <213> Mus musculus

<400> 498
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<210> 499
 <211> 724
 <212> DNA
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<400> 499
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<210> 500
 <211> 373
 <212> DNA
 <213> Mus musculus

<400> 500
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 agccagacgc ccacangaga ctgtcngacc acagagagcn cacacgtaga cgcggacgcc 240
 gtggncaaga gtctctgcat cccacggga cggatggcgg cggctccaca aggtgcgcgt 300
 gcaccgaggc gcaggtggac cctctcacat ttcacaggnc tgccggncag aatgnccctc 360
 ataaatgtgt gat 373

<210> 501
 <211> 424
 <212> DNA
 <213> Mus musculus

<400> 501
 gactgagctt taaaatacaa aagctggggt cccacatgc tgcacatcc aaggctggac 60
 agtacacaga acacaaatct caaatcagaa gtcctctgaa acagccgtcc tgatgggatg 120
 gagactcatg ctgagaagat ctgaagatga catcacagcat cgcctgtca ggcagccagc 180
 taccagaagg tagctctcga agcccagcaa gaagttctct gtggcttttg gcatctgtgc 240
 ccagggaagg accatgcgtt gtgatgtctg ctgccagcag acaagcatct aagagactgt 300
 gaccctgatt actagctatc aaattgtgtt ttttgaaag ttggcctgtg aatcaggcga 360
 ttctctgtct gacttgcaaa gaggnctctc taaataaaag cttatanggt tttaaaaaaa 420
 aaaa 424

<210> 502
 <211> 114
 <212> DNA
 <213> Mus musculus

<400> 502
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 accngatatg ctgatatcat ttagggaggn cangtcttag agcacttaaa gctg 114

<210> 503
 <211> 114
 <212> DNA
 <213> Mus musculus

<400> 503
 tctcctctaa gccatgacct catccttaac ctgactcagg acgggatcac actactgttt 60
 gatgctttca atcaagtcag aggcatttaa taaaattatc tacacaaaaa aaaa 114

<210> 504
 <211> 249
 <212> DNA
 <213> Mus musculus

<400> 504
 aatgctggca aaggatgaac tggtagcat acttcagcgc tgtattgagg ttttagattc 60
 ctctactgaa aagcagcttg gcaacacaac acagaaaata aaggatttcc tgaccagtt 120
 tcagaacctc gatgntnana nnnaggaaga ngatgnntcc ngntnatanc cnacggngnt 180
 gctgaagaca aacccacntt ntatctnctt aagactntt actagtgatg naacttctga 240
 ggactacta 249

<210> 505
 <211> 122
 <212> DNA
 <213> Mus musculus

<400> 505
 gacgtctggg gagctcctgc nttaggtttag atctganggt tcccagactg ccttttgaga 60
 ataaaaatggg aggccagaac caaagtcttt tgaataaagc accacaactc taaaaaaaaa 120
 aa 122

<210> 506
 <211> 406
 <212> DNA
 <213> Mus musculus

<400> 506
 gaaacggagt gagtgggaatg gtaccacagc acagagggag ccaacagcat cagacttgtc 60
 cttgacaggc atgcctgggt tnaaatctgc catgaanagc caggaggtgg cagggncca 120
 ggangntcng ggcntaatcc ttngcccaag tttttgacnc ccatgggttt tggacacagg 180
 gtttttttcc cgtggcccta aannaatttt ggacaaacc gtgggtttaca attttcnngg 240
 gggcacaatg gaacntngga ccccnaaaaa ccacctnttt cnaanaaggn gcccnnngana 300
 aggggaattt ngggnttttt ccccaantcc ttggtttttg gaaanaaccc ccnaggggnc 360
 cnagggggccc ccttttcccn ggggggaacc caaccggccc aacttt 406

<210> 507
 <211> 809
 <212> DNA
 <213> Mus musculus

<400> 507
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 tggagatgca cngattccca cacctgcaga ggctgatcaa gaggantang ccagtgccca 120
 ggcgggcttc caagagacag cgagntnagg aagaatcggn tcaagatcta ngctgtnccg 180
 gtgcaaaagt tcctngcctg aaattgaagc atggtggcaa aggggtanccc cacattanat 240
 gctgcctgag catcctggaa nagangaaaag gctgctagct gcctcangag gttgagccct 300
 cttcagcaat gccctctact gaacaccaat gtaggcagaa ccacagctgt tctgcctgca 360
 tgctctgcag tcaagagccc acctgaatgc caactatccg tgagcaagaa gtctcagagt 420
 agagttgctc tgacagcacc tgtctcttg tctctagag gcgtcttggg aagcagaaaag 480
 gggcggtctg ctctgagttg agctgaattg aggagacaaa gtgcagagag aagatacaga 540
 gggaccaaac cggactgctc tctgagtatg ctctgntctt gaatcatgcc acagncacca 600
 gcacaagcca ggagtggctg gacttttctaa acctggaaga aatgagcagt agttaataaa 660
 ggagattctg gctaagatct tangagacag aataagaccc cgggcgaccg ctactgactg 720
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 gggactgggg agcctttgca caatgatatt 809

<210> 508
 <211> 295
 <212> DNA
 <213> Mus musculus

<400> 508
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 tgagagcctc tctgcctccc tccagctccg ctgaagtctc cgccatacag tgcaacatca 120
 ggaaagaaga agaggngann nntctnggca aatntacct agctnannnt ggnaanatca 180
 acttcttggg cancaatgga ggaggccann agangntcc ngtggaatac ntcnatgna 240
 ngggatnagc atnctngnat acgaaaccan cctgacnggc accttctaca tgtgc 295

<210> 509

<211> 400
 <212> DNA
 <213> Mus musculus

<400> 509
 atgaggcacg cagtgaagt gaacggggaa gccactgttc tgacaacgca cttctctaaa 60
 cttccatggc catctccaca ggaaacccag aggatctgtg agcaagtccg tattgccatn 120
 gagganntaa nnatagtgtg ttnttcactt nctaaggacc agggantnac cctgagaaag 180
 ctngtcenna angctgncct ggacattgng gacnncangg ntcaagctac tagnaanngt 240
 tnttactgct ccatctnana gnactgaaga atggagacct gatttntctgc aatagtgtct 300
 cagtgcgatg ccaacagggt cctgagatcc caaaagatan tanagccgca gnccttttga 360
 tgctgaccan tagtgnggat tntgtgaaaa atgcacatta 400

<210> 510
 <211> 186
 <212> DNA
 <213> Mus musculus

<400> 510
 ggaacaaatt ctattatctt ccttcctttt aaagntgacg gaaattaaaa tgattgtacn 60
 gaagctgcan cataaataga ggcttgngctg agtgganacc gaagtngaa ctaccctnca 120
 cantatgatc ctgaaaaaga agtatttaac acattataaa aataaagggt tcaatctatc 180
 ccatta 186

<210> 511
 <211> 125
 <212> DNA
 <213> Mus musculus

<400> 511
 gctgagaaga aagccaagggt aattgcagta atgaatgctg tggaagagaa ccaagcctcg 60
 gtgctgtggg ccttgnggcc atttgtccga gttcaataaa ctactacatt ttttaaaaaa 120
 aaaaa 125

<210> 512
 <211> 155
 <212> DNA
 <213> Mus musculus

<400> 512
 attccaaaat gttgcgngtg ccagcagctc anaacgtgna cggttcgact gataaggcca 60
 ctccagctgc aagagaggan ctanacgggg cgaaagaana ancggagccn anacaagttc 120
 atcctgttca aagctcaatt ttactagtta caaca 155

<210> 513
 <211> 184
 <212> DNA
 <213> Mus musculus

<400> 513
 tgttgctgtt gacagagacc ttttctctgg aatcgcggtg agaatggtat angactttga 60
 ggacctggat tggcctgogt gcacaccatc aacactacac ttgctgctgt ggactccact 120
 attcctgggt ctttgttctt acttctttgt acagtaaatg tacttcagca gtgaaaaaaa 180
 aaaa 184

<210> 514
 <211> 295
 <212> DNA

<213> Mus musculus

<400> 514

actcatccct	ggaaggcatg	tgtggcactg	ancatgccca	gctgggggaa	gatggncagc	60
ggccgcccng	gngcacttca	actacctnat	ctnantctga	gccttcatag	cagcttangc	120
accaaggcaa	gatcctagca	tccnaggacc	ccaaaaagaa	gcnagctcan	aagccctctc	180
acatgagaag	aaacatacta	catgaanttt	anaacagatc	aataaactat	cancaacaac	240
aganaactcc	ccataaaaact	gagtcatcaa	agggaaaaat	gaaagataat	attga	295

<210> 515

<211> 107

<212> DNA

<213> Mus musculus

<400> 515

cactaagagc	actggatagn	taaggtcaag	gagactctca	caaaggatcc	agagaccttg	60
ggagaaggac	aacaagaatg	agtgtgtctc	tggtaaatac	accacag		107

<210> 516

<211> 474

<212> DNA

<213> Mus musculus

<400> 516

gactgagacc	ctgtgatgtt	tccagtcttt	ggctactgta	tccatgcaca	ggatgctgct	60
ttgtactacc	agtgttcaca	agcttgagac	tgtttatgac	cataagtttc	taaagatgtc	120
tatcaaagaa	tcttgtgcaa	aggaagaaaa	gtctcagaaa	aaacagacta	tctcttcacc	180
aacttttaat	gaagacaaga	aaaagggaga	aatctcagcn	ggttctacta	gttcanaaca	240
tggtgttcoag	cctgtttcaa	ccaagaagag	aaaactgaaa	gcagatgata	cagacaatgt	300
agactataat	gcaaacagaa	aaaacagtaa	aagattgaat	gtagaagttt	tcatttcctaa	360
aaagagacta	aaattcattt	cttcgaccca	agcggnatca	tatttaaata	ataatcnaat	420
gacttcacac	aggtggtcat	naatnggacc	taaagatcct	aaggttaaag	atgg	474

<210> 517

<211> 376

<212> DNA

<213> Mus musculus

<400> 517

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cagcccttct	gtccaggagc	ggcactttga	gcaagccatc	gagaggggtc	ttggaggcct	120
tgagaagaag	accaggtcc	tacaaccag	tgaaaagaca	actgtagcct	accacgaggc	180
tgggcatgca	gtggtgggct	ggttcttgga	gcatgcagac	cctctgctga	aggtgtccat	240
catactcgga	ggcaaggggc	ttggctacgc	ccagtacctt	ccccgcgagc	agttcctcta	300
cacacgagag	cagctctttn	accngcatgt	gtatgatgct	ggggggtagg	gtaactnaac	360
aacttgtctt	ttttca					376

<210> 518

<211> 276

<212> DNA

<213> Mus musculus

<400> 518

ttgtgtggcc	gaatanagnt	tccgagtgcg	aatgctgnaa	gtaccaggcn	ngcnggtctg	60
nctaattctgc	cctgnccata	tgccctngaaa	actatgcanc	aagcatggna	tctcgggnat	120
cagcttgcta	taagcngagn	tgcgcnnnat	ctctgcttgc	gantgcta	gcactggncn	180
tgaantgctg	accaggactc	cacccgacct	gnttgccaag	ccantagctg	gatcacaatg	240
angctcangc	tnaccccgga	acgtaaggat	ctacag			276

<210> 519
 <211> 271
 <212> DNA
 <213> Mus musculus

<400> 519
 ggaaaggaaa gtctctccaa caacgtaagg ccaagcctcc gaagaagcag gaggagaagg 60
 agaagaggag ggacttgggg gtgtatctaa ggagcagggt agagtgccag aggggtgggg 120
 gggaccctga cttcactggg atatctcggg gagggggcac ttgtgccctc cagggtgtctt 180
 ccaagatggc taagaacaag gacttgccag aaagttcac tgcacccatc agagtttaat 240
 aaatgtcgtg ttcctccccc aaaaaaaaaa a 271

<210> 520
 <211> 328
 <212> DNA
 <213> Mus musculus

<400> 520
 agactgggtg caacaaaacc tgtctcattt gaagggtgctt gaacaaatat tttctaaaca 60
 cttgtcatgg agagtgattg aaacaagctg ccaggactac atttgccaat aacaagcatg 120
 taggtggctg tagtggatgt ccaactttgg gagctgtgat gtctaaaaac cctttattgt 180
 tttgggtgca gcttacatat tggaaggtaa aatgaaggcc atgaacaaag tcaanaagcc 240
 ataaacagaa gcaaatgggg aaaattaata tcttaattta atattaataa gnnngnatata 300
 aataaacagt tattcttaaa aaaaaaaaa 328

<210> 521
 <211> 153
 <212> DNA
 <213> Mus musculus

<400> 521
 agcaagctgc acatgagctn tactagactc tgggagggan aagtngccaa gtactttctga 60
 accatntttt aatacttgnt ttgtcatggn gaantttag cagntatccc aaaatgnntt 120
 aattatcaaa atactgnctt ttaaaaaaaaa aaa 153

<210> 522
 <211> 283
 <212> DNA
 <213> Mus musculus

<400> 522
 gtctgggcag ctgagctgc atctcatctg ctctgctggg ccgcgctgcc cgggtccctc 60
 tggatggagc tggaccagca ggcagagctg cggtcctgtc ctttgctgag agctcagtgc 120
 tgcgggggtct caggtcagct gggcgcttgc agcctgcgtc tccgcagtct gggaggtgta 180
 ggcggagagt cgtggggaac cgtgggtttg ggctcttgta aggggatttg taggaaaacc 240
 gcgaggtgag cccgggttct atgcacgttg tcaaaaaaaaa aaa 283

<210> 523
 <211> 105
 <212> DNA
 <213> Mus musculus

<400> 523
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 nagtgtgaaa tggngtanta tcccttgatt ttocataaaa cctgt 105

<210> 524
 <211> 402

<212> DNA
<213> Mus musculus

<400> 524
gcacgcacatct gttcctgccc tatcggaact cgaagttaga gccgtctcag agcacaagga 60
tctggatgca acctggtaac tgcgcagcac tctcagccaa attcttatca cctcagagga 120
ctcaggatct tggccagagt caaggagaag acagaatctc ctagaagcct tccctggaca 180
tcattctctca ggactcctat cctaagcctc cagtggaggag gacatgctgt tccaatctcc 240
ctgaactctc agtcttttcta cctaagaaga cagttcctct gtggaggctt ctgagtagcc 300
caagcatcca tcgttgatcc ttcacatccc acagggtctt gggttccttg aggacaaggg 360
ctgcattgaa ctcttttcat ggnnccctta accttaaggg gg 402

<210> 525
<211> 365
<212> DNA
<213> Mus musculus

<400> 525
catctgcaga ggcagagctt anagtgcagg attctggata aagaatactg agacaaggaa 60
ggcttttatct gctccttagt cgtcctctgc acagcacacg tcatcccacg tgaccttacg 120
ccatctttct tcttgccggt ggcgtcccac tccactgcgc agacgcggaa gcttcgctaa 180
ccggcgcccg aagttagatta aggacttctc cgccggtggc accccttccc aggtctgggc 240
tcggcatggc cgcactgctt gtacggagcg tggtagcttc ggtggtggac ccgttcctgc 300
acctgagtcg cctcgccggtg aagccccgag tcttctctc gttcctgctg gggacattgc 360
cacgc 365

<210> 526
<211> 108
<212> DNA
<213> Mus musculus

<400> 526
tgcctacttg aagaatcngg aagagngat ganggacact attganttn ctnacaccgg 60
gtcctgactn tagcatcttt tccatgttct gnetgattgg actagctc 108

<210> 527
<211> 281
<212> DNA
<213> Mus musculus

<400> 527
cagcttaact ctgaagaaac ttggtatgct taaagaaatg gacanagann tnaactnagt 60
agncatngct gngaagctgc agggtncaaa aaggatnctn cgggtccaat agatnatcct 120
tgcagccagn ggccgtggtg agacagagct ncanataacc ttctccctcc agtaccctca 180
nttccttaag ccgagatgcc nncngactgc agatnatggt gcncaggagg aagcgggtcaa 240
naacctgaac tatctnnggc tataaaacct tagctgtgcy a 281

<210> 528
<211> 112
<212> DNA
<213> Mus musculus

<400> 528
ggagtaaggc atgccgaggc ttnaggctac gtgactttcn cnatgctgga agatgcacag 60
agggccctna aggagatcac tacctttgaa ggnhgnacga tcgaagcgac tg 112

<210> 529
<211> 368

<212> DNA

<213> Mus musculus

<400> 529

aggatctatg	actaagcttg	cctagcgatc	cctgacctag	tctagtcagt	gtgactacca	60
acaacagcca	tgaagaccaa	gaaggcaca	gaatctaacc	atgacctgaa	gttcaagctc	120
ataattttct	ttcttgagta	agaaattaag	atgttccagg	aagatgagaa	acttttataa	180
actgctgcca	agctctgggt	tgcaagaag	ttcacagaat	ggaaggaata	aaaaaactcc	240
agcagaggct	ggtgagggtg	ctnagtgggt	aagagtgcgc	actgntcttc	caaagggtccc	300
cagttcaaat	cccagcacca	catggnggct	taccaccatn	tgtaacgaaa	atctgattcc	360
tcttttgg						368

<210> 530

<211> 428

<212> DNA

<213> Mus musculus

<400> 530

ggaacaaccc	agactggatg	tctcccttgg	caaanccnnn	tgnacacnna	ctgtncnnng	60
aagtncctta	ctgatggctg	gantgatccc	anatgcctgt	agaaagccta	ccccagntng	120
antgatgact	nacaaaagng	gccccngag	ggtggccana	cagntgcgg	ccaggnnccn	180
cgtgaggctc	gatcatcccc	aacanctgct	tctgtctnac	caacctttc	cactggcctt	240
gtgagttctg	taaattttctg	gacttccaga	gctgacaggt	ttgttagggt	tttgagtctg	300
tgaacctccc	ttcagcccaa	gaaagaaatc	ttctcatcta	gaggaaagct	atatgacacg	360
tctttacgtt	tcttcttcat	caactgnata	gaaaaatttt	gaagtcaaaa	tggtcttcaa	420
cttatggg						428

<210> 531

<211> 152

<212> DNA

<213> Mus musculus

<400> 531

gctgctgaga	accagctcta	gatctctgct	agagagtcct	ccttctgcac	aagttcccgg	60
tgggataacc	tgccatgttt	ctctgaaact	gtgtgtacct	gttgtaagt	ttttcaaata	120
tatcatagga	ttgttactgg	taaaaaaaaa	aa			152

<210> 532

<211> 189

<212> DNA

<213> Mus musculus

<400> 532

accgtggctt	ttgataccta	tttattttaa	canttggggg	gtggntgngt	gcattctgaga	60
ccctgaagag	cagggaactg	agatcctggg	ttctgggggc	tctatgaaat	ctgttcacag	120
tgtcttcctc	acttcctaca	ttatttatta	aacgattact	ttttatatta	agaggaggaa	180
ggagggaag						189

<210> 533

<211> 140

<212> DNA

<213> Mus musculus

<400> 533

aaaacaaccg	aggggatcaa	actgngctca	ttcttontgc	aaaantgca	canaagtctt	60
acgganatga	aanacgattt	ttttgcctc	ctccttgtgc	gtatcttatg	ggcagtaggt	120
tggaatgaaa	agcaaaaaaa					140

<210> 534
 <211> 185
 <212> DNA
 <213> Mus musculus

<400> 534
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 ttgggcctgt gcatggacac ccctttaaga caaattcagg gagatgaatt tgacagttct 120
 accgtagtgg taagctgggtg gaaggtggca cccgaacaaa tataatttgg cacatatattt 180
 taaaa 185

<210> 535
 <211> 320
 <212> DNA
 <213> Mus musculus

<400> 535
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 ggctcctgcn cttgcacat ntntgcgcc tgcacanaac atgcagatgc angtnctgca 120
 ngaataagct gntgctnntg ctgtcaccgt gggcatgctc caaatgtgcc canggctgag 180
 ntatgcaaag gcgccgngna caagaagcac gtgctggggc tgatgtgacg aacagcgctg 240
 gcaccacntg gaaataggat cgggacaanc ccangggntt tcctatgcng ntccaccnct 300
 gtttactaaa cccccgtttt 320

<210> 536
 <211> 261
 <212> DNA
 <213> Mus musculus

<400> 536
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 gacttctgnt ttctcttgga ctgtgcttcg ccagctgtc caggagccan cgatggcctg 120
 cgggtggact tggaattnag ggtcagaatg gcnagggctc aaatggcctc tgactgacag 180
 ctccnactg atgcccgtt acttccaagc ncaaagaaaa atccagggn ccaanagagga 240
 tctngtccgc cctggcctat t 261

<210> 537
 <211> 248
 <212> DNA
 <213> Mus musculus

<400> 537
 atgcagcatg gctacccagg gccaaaggtg aaacaggcta cagaatggag aacgagaatc 60
 tggggacagc cctgaagatg ccactagact gcctttccac ctgagggtat gtgggaagga 120
 caaatggtg nacngtggg cacncacacc tgangcacat gtgccgtaga cccccaccct 180
 canccccacc cngtatgatt tcttnattgc tgcttgcaat tacctntccc atogtcttgg 240
 agaataaa 248

<210> 538
 <211> 212
 <212> DNA
 <213> Mus musculus

<400> 538
 ccccgaaagt cggtggatag agcgggntga gacctggnga ctcngngnc acacngcctg 60
 agacttgggc agctctctgc tccctgccag actcctnngc ctggaacagg tgccacactc 120
 cccacanaag gaaacctgac ctctggtcat gtaagccan aacagagntc tctatgctaa 180
 tganggacct nnaggccctt gagggctcac ca 212

<210> 539
 <211> 118
 <212> DNA
 <213> Mus musculus

<400> 539
 accaacatac tggaanaaaa gaaccaagat ccgcaagtca tgctttgatt tccacgagca 60
 tgcccacata tataactccc acacaataaa taagcatatg tgtgtgtaaa aaaaaaaa 118

<210> 540
 <211> 381
 <212> DNA
 <213> Mus musculus

<400> 540
 gccaatctgg aaaagaaaca ctctacatga tgaccatagg gacaactcca ttttgggggt 60
 ataacgaagc agaggagatc aacggatgca tttacacagc ctggggatga acagagggag 120
 gaagccctca caggcatcaa agctacctct ggatccaga ggttgatgga gacgtgggag 180
 gagggttgca gacacagcac tgtgggccat taccacacag gaagaagcaa gtagcaacag 240
 aacacgccct ggtgcaggcc cgcacagagg gaaggatgag ggccactccc ggaaaggaac 300
 aaaaataata aagaggaagg ctcgatcgct atggtgaact ggaccacaca cagcgggggc 360
 cgggccagga catggcctgc c 381

<210> 541
 <211> 328
 <212> DNA
 <213> Mus musculus

<400> 541
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 nattccggtg gacagcctgc ggaactccac cagcttcagg cctactgcc ttctgaacag 120
 gaaattttca agctcaagggt tctggaaacc ccgttattca tgtgtcaacc tgtcaatcaa 180
 ggacatcctg gagccagagt ctccagaacc aganatntnn ttnacatnn tgatnencna 240
 ngattgaaca gaagggaatg ggcaaagccc agcctgccat ctaactgggc atgttcaact 300
 ctactcctct ggtcctattt ccagagta 328

<210> 542
 <211> 309
 <212> DNA
 <213> Mus musculus

<400> 542
 ctccagagtc gatggagaag ctccaggccc agtactgtta cttatgttca gaaaacatac 60
 ggaaaaactaa tcctttcata ctgaatatac tccaaaaact ggatgaagaa attgaaaagc 120
 gacccaaaga aaaattttacc gtaaatattg ctggtaacaa tcgcttagac tccggacaaa 180
 gaataacagg ggaagacttt tggcttcttt ccaaaaacttt aaggaaccag ccatgtatca 240
 gtgggtgtgga tgtgaggat aacctcatcg gcgatgtcgg tgccttctat gctgcgaaac 300
 tacttcagg 309

<210> 543
 <211> 166
 <212> DNA
 <213> Mus musculus

<400> 543
 tactaaaatg gccctctaaa tagcccaaca attattattt tctttgtcct atggatttgg 60
 ctttgaaaga tgtgtgtgct ttaataaggn aaaaaccaac ttttgnagct atttcatgng 120
 ntaagcacat tcaaaagttg ctagttnaat aaatgaggtt cttaag 166

<210> 544
 <211> 109
 <212> DNA
 <213> Mus musculus

<400> 544
 ccaaaggact tcatggcaac cggatttcta gtttcttgac atgtttctgt acatttgctg 60
 tgccagggga tcaagcctga ataaatatcc ttgtcatca aaaaaaaaaa 109

<210> 545
 <211> 448
 <212> DNA
 <213> Mus musculus

<400> 545
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 tgcattggcat gaagacctgg tgacggcttc tcctcctgtc tgcagctgaa ttggcccaga 120
 aagggtgtaag gctgattaaa cggacatata aactacttgt tgagaacaag taggactttg 180
 agaactgacc tccatagctg aaatataaaag ccacttgga agtgcaaaaa gatgtcttgt 240
 gttcatgggtg cccttaggcc catgaactcc acccctgtga gtgttgatgg agtgggtaaat 300
 aatgtcaggc tctaaggga gtcatttctg ttaccactt ctgttcaaag tggtatttgt 360
 gaagtctgtt tggaaagcag catacaccca caatgacatt taagcacagt ctatatatttt 420
 aataaacatt ctgatgaaga aaaaaaaaaa 448

<210> 546
 <211> 110
 <212> DNA
 <213> Mus musculus

<400> 546
 gtacaaggct aacgttcttg gggcccactt ctgagtttag aagacctatt aaaaaaagtg 60
 aagaactaga ctgtgggaaa ataatggct ttgtactact aaaaaaaaaa 110

<210> 547
 <211> 390
 <212> DNA
 <213> Mus musculus

<400> 547
 atggcatcga agattccctt tgccacagat ctgacagact atganaaaaat gccagtgagn 60
 ccattttgga aagtgaagcc cagcggagag gggacagcac aaaggcctat agaaatantg 120
 gctcaccat tagcagagct ggaggacaag ataaagcggc acacacagca gatccgcact 180
 cgaagtttcc tgggtacaaa cccantgcaa gacattaana cagccaacca ggacctggaa 240
 accactaana aacttcagga ggagttaang aaactgaaag tggagatgac cttgancaaa 300
 gacntnnt ttccattctt tacttggaac cctttcactt naccaccag catnacagcc 360
 tcaaaatata ttttttaaca cgaaatccta 390

<210> 548
 <211> 393
 <212> DNA
 <213> Mus musculus

<400> 548
 gcacgcccc aaggtgaggg tctgacgccg taccaaggca agaagcgctg ctttggcgag 60
 tacaagtgcc ccaaattgcaa gagaaaatgg atgagtggga actcttgggc caacatgggg 120
 caggagtgca tcaagtgcca catcaacgtg taccgcgaca agcagagacc cctggagaag 180
 cctgacggcc tggatgtgtc tgaccagagc aaggagcacc ctcagcacct ctgcgaaaag 240
 tgcaagggtcc tgggctacta ctgtgcgcgt gtgcagtgat cttggccacc actgtagcac 300

ccctcagctg	ccacctccct	gtgttgccca	aagggtgaa	tgtccgcatg	cttgaggaga	360
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<210> 549
 <211> 505
 <212> DNA
 <213> Mus musculus

<400> 549						
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aaggccngnn	tgagcnnctt	naagatctta	catgtgaccc	anctgctgct	gntgnnccca	120
gtaagtgaca	gacagcacca	tgagaccta	gctccaacta	ctactcacc	tccaagttag	180
gcggctgcca	gtgtgagcaa	tgaggggcag	tgaggctggg	ctgggaagtg	ggggtcagca	240
gtgttaaggc	tgtagctat	cataatggg	gttagacagc	aaagtaattc	ggtcagatga	300
gcagggtaga	taagtggctg	cgcagcaatg	aggggtggaca	gaaaggtgac	agctggggta	360
agtctggaga	agtgaaggag	aactatacag	tggaagcaga	gacacaaaacc	catccagggg	420
tgacttcctt	ttgggtgcct	cagagacggc	ttaacttcac	tcaatgtgta	gaaagaaaaa	480
cgaatttttc	tcctaaaaaa	aaaaa				505

<210> 550
 <211> 154
 <212> DNA
 <213> Mus musculus

<400> 550						
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gtgctgaaca	cttggagca	aagtggagag	ggccgttct	ggtgtgtgtg	accaccccaa	120
cctccattaa	agtggatgaa	gtaacaaaaa	aaaa			154

<210> 551
 <211> 138
 <212> DNA
 <213> Mus musculus

<400> 551						
atgccacagg	acagccagg	ctaacacaga	gaaaccctat	cttgaaaaac	aacaaaaagg	60
ggaaaaaaat	caatctggaa	gaaaagctgg	cttattagg	ctaatagtgt	gggatttaaa	120
tatatacaac	catgctt					138

<210> 552
 <211> 153
 <212> DNA
 <213> Mus musculus

<400> 552						
cagaccttg	ggggagcaca	naaaatcatg	tgtggatcct	agacactgga	acaagaacct	60
gtgaagttaa	gttgcccttg	agacctgag	atattagaga	tgccagcgtc	gtaggataacc	120
tgtgaggaaa	gctactaaca	cggagtagaa	agt			153

<210> 553
 <211> 380
 <212> DNA
 <213> Mus musculus

<400> 553						
ctctgatccc	gcttgctgtt	cctactgaca	cctgagccgc	ggtggccgat	gctgctgagg	60
cccttccagc	ccacgagtca	acctacttga	ttgnnagcca	tgccnttagt	gaaganaanc	120
atngaacccc	ggnacctgng	cggagcgcc	ctgccggaag	gagtcaccan	ngagcnggaa	180

tgcgtgacca	acagcacgct	cgctgcaatc	atccgccagc	tgagcagtct	gagtaagtcc	240
cctcggcac	cctggctacc	gctggatatc	tacagacttt	acggtaccca	gtggatttga	300
cttgtgagtg	gcaactgtga	ggaaaagcgt	cttctccat	acgccacggn	caatgactgt	360
gtcaagccct	gggctgctgg					380

<210> 554
 <211> 259
 <212> DNA
 <213> Mus musculus

<400> 554						
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gatggttgta	agccaccgaa	cacaggtctt	tctgttaactc	ttccaaagga	agcaatgatg	120
tggtctgtta	gacccgaggc	cgaagctgca	gccgtgcact	gaagcagatg	ggaaaagctg	180
aactcgccac	ccacgagcag	cgccggcagt	gagctccacc	cagcatgaca	cggcggccca	240
ccctccacac	aaaaaaaaa					259

<210> 555
 <211> 394
 <212> DNA
 <213> Mus musculus

<400> 555						
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atagaaactc	tacctctacc	ttnaactgcc	ttntggncct	ancagngcag	agaanangga	120
tongaangcc	atgtcatcta	gtcgggcaca	gcaaatgcat	gccttttcct	ggattcgaaa	180
taccttagag	gagcatcctg	agacgtcact	ccccaaacag	gaagtctatg	atgaatacaa	240
gagctactgc	gacaatcttg	gctaccatcc	attaagtgtc	gctgactttg	gaaaaatcat	300
gaaaaacgtc	tttccaaaca	tgaaggcacg	ccgtttaggc	actagaggca	aatctaaata	360
ttgctacagt	ggactaagga	aaaaagcttt	tgtc			394

<210> 556
 <211> 297
 <212> DNA
 <213> Mus musculus

<400> 556						
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tanatntgan	gccagcctn	gngggctnaa	nggaaacctc	ctatgnacaa	aanaaaggcc	120
tacgngngaa	tgcaanacct	gncanncagg	caccatgggt	ggcagccatc	atgcttncat	180
gaccattggg	cctgctggnc	tacctgggtc	tagcccagga	agccaccagg	taggttaggg	240
tggtcagtgc	cgagtctcct	gcagacacag	ntatacctgt	ctttctgcac	tggtcca	297

<210> 557
 <211> 208
 <212> DNA
 <213> Mus musculus

<400> 557						
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gaacctocag	aaactcagct	tgtgggctga	gccaggttct	gtcatcgaat	caggggaactc	120
tgtgaccatt	tgggtgtgag	ggaccatgag	aacccaaaaac	aagtaacatg	gaataataaa	180
actattttaa	ttggcaccaa	aaaaaaaaa				208

<210> 558
 <211> 389
 <212> DNA
 <213> Mus musculus

<400> 558
 tgtccggaag gcagaggcaa actcatctcg gagagtttct gaacttgtgt ggaaatcagg 60
 atgtgtggga attgaattta ctcaagtgcc aacttacctt aaactcctaa tcctccagca 120
 ccccccgca actgctgcga ttataggtct gcaccattat acccgtctt ttagggcctc 180
 ttaaaaagag ggagcaaagt agagcgatgg ccccggtggg gaagttgttt gccactgtat 240
 caacaatgct agcctgacaa cctgagttgt ggaaagacaa aatgaaggcc acagagatgt 300
 cctctgactt ccacactggg gcagatggca aatccacca cctacgtgtc acacacacat 360
 aacaacaaca ataataataa taggcataat 389

<210> 559
 <211> 222
 <212> DNA
 <213> Mus musculus

<400> 559
 gtctgcaaac atgcatgtac acaccatac ctcaagagag cnttgcattc ccggnctaag 60
 nncaagancc atgcntacac atatggcgtg nggagaagnt gaagcnggtg ccnatagcac 120
 ggagagagcc atggnatctt tttntctggn gactactnnn tagtgcttca nantggccga 180
 taggatgant gccgntcang ntactgtgct gcttctactc ag 222

<210> 560
 <211> 250
 <212> DNA
 <213> Mus musculus

<400> 560
 gtcaatagaa tcttcgtccc ctgcgcttga gcttcaagtg cacctcctct tatcatgcca 60
 tccctctaca ggctgggaaa tctgccaaac gacgatgacc tgccttgact ctgcctgaca 120
 ggcagacttt cttttttnt ntgnttnaaa naancggnaa acagntgntg acanangtgt 180
 gtgcccgctg gtgcgtnctg nctnctgtn ncngggttng aangggngcc ntttgaggcc 240
 aaaatagggc 250

<210> 561
 <211> 262
 <212> DNA
 <213> Mus musculus

<400> 561
 gaggtagcg agttgcaggt anctgaangg cacttncagg cctagaggga ttgttctgct 60
 gccaaagaa attntgcnat ggcttgtaac nacatatgaa cgttgnttgg atatnancga 120
 tttttagngc cctgaagatt ttgataccna ccagagtctn ctggaaanag cttgtcctgn 180
 ataccangng gatgctnanc tcatagttga atcatncccg ancttctactg agcagacctg 240
 atctcagaag taacactgac tc 262

<210> 562
 <211> 103
 <212> DNA
 <213> Mus musculus

<400> 562
 ggacggagcg attctnacgg aggaaggagc acgccaacag ggcctgactg cgtacagaca 60
 tgtccccctc aataaaaattg cagttgaaat ggaaaaaaa aaa 103

<210> 563
 <211> 242
 <212> DNA
 <213> Mus musculus

<400> 563
 ctttcctcac tgaagtgtgt gctctgnagt ggaatctcac actcagctta agaaagtcaa 60
 gtgatacnga ttggagccat canticatact ggggaagcta nctnaactac ccngaacttg 120
 atnnatggga aanaanggggt ttccnagaca actngaanc ntgatgatg naatgggtat 180
 tatgcccctn aaataccaat atagcctttc atctttttct gaaagtatta ttctcataag 240
 ga 242

<210> 564
 <211> 423
 <212> DNA
 <213> Mus musculus

<400> 564
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 ttntgggaca ttgccagagc caccaacatc ccanagaaca aacaagacca tggcttcctg 120
 cattgggcag ctccctgcta cccatatac aaatataagc tggtacagga naaatganca 180
 naancaagaa ncntnggaag tgcgagnaga ntttnaangn gnantntgna gaanactnga 240
 aactgaagcn aatnacagat ttcaagggna ntcttgtgct tggaccctgn tnacctgaan 300
 atgaatccnt gntanagtgg ctngatgcc angttctgcc tagctaggcn nactnacaac 360
 ctctgcaggn agagccttgt gtcttttagct atgganctgt accatagagt gtgcattcct 420
 ttg 423

<210> 565
 <211> 197
 <212> DNA
 <213> Mus musculus

<400> 565
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 cagctctcaa ggatgggtct ttctgtctc gtctgcccctg tacggctcctt ttctgttacc 120
 tccccagaa ggctggggaa aacgcttggc tcagggttga cagaaaacaa ataaatactg 180
 tagtaataag aaaaaaa 197

<210> 566
 <211> 353
 <212> DNA
 <213> Mus musculus

<400> 566
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 ngatggcagt ctggctgagg tccccagga ggccccaaa gtgggcatcc tgggcagtgg 120
 ggattttgcc cgttccctgg ccacacgcct ggtgggctct ggcttcagtg tgggtggtggg 180
 gagecgtaac cccaaacgca cggctggcct ctccccctcc ttagctcaag tgactttcca 240
 ggaggaagcc gtgagctctc cagaggtcat ctttgtggcc gtgttcggg agcactactc 300
 ctcaactgtgc agtcttgctg accagttggc tggcaagatc ctctgtgatg taa 353

<210> 567
 <211> 160
 <212> DNA
 <213> Mus musculus

<400> 567
 tgacagatgc tgctggggaa gctgggtgtg actnnangcn gttaccacct angagttata 60
 tacagatttt gatcnaacc tggnatgact gngcagnttg tntggagant ttnatctgna 120
 ggcccgnaag ggcnggaag gatggggggc ataaaaggca 160

<210> 568
 <211> 137

<212> DNA

<213> Mus musculus

<400> 568

cocatgacaac	cagtcacac	cctcangaca	ggtataangc	ancnggtgnt	atcttctttg	60
tgtctgggct	ggggacactg	ggtaccctgg	aataantctn	atgaccgttn	catgacattt	120
cacaagccgc	ctggacc					137

<210> 569

<211> 263

<212> DNA

<213> Mus musculus

<400> 569

ggagaacgga	ctattacatg	cgctcatctt	caggncnccc	tcctccaga	gaacnagctg	60
ttgcagaacc	aggacacgga	tgcctgagcg	aatcgancca	agggatcgcc	ngacatgnat	120
tcctcnntcn	ttatacacca	caacggnaga	gcatgncacc	cagcagcttt	ntganccacac	180
acgtanccgn	gaggatagaa	tatcgagaaa	aagggaagaa	gaaggacnng	gatgccaana	240
aacacaacct	tggaataaat	aac				263

<210> 570

<211> 235

<212> DNA

<213> Mus musculus

<400> 570

aggagtttac	actgaganct	ctnncgtgta	ctgactatgg	aactgaatnt	cnannnnctg	60
ntgtcanacn	nnaatnctna	agacnngnga	agtaaaanact	gtatggatga	ccctctaagg	120
ctcaacctct	ctatctaatt	gtatatggcc	ttaanagaga	taattgagtt	gggtggngat	180
aactggtcac	ttgagttcaa	ggccacctgg	tctacaaagc	aagttccagg	acagg	235

<210> 571

<211> 356

<212> DNA

<213> Mus musculus

<400> 571

atgcaattat	aaatccaana	ccatngagcc	cttttgngat	ctgtccctgg	aattccctga	60
acgataccac	tgcntataaa	aggggtttga	ccctttgaat	cagacngagt	gcctgtctac	120
tgaaatgcta	gccaagttca	ccgagacnga	ggccctggag	gggagaatct	acgtttgtga	180
ccagtgtaac	agcanacgac	gaaagtccaa	ccccaaaccc	cttggttctga	gtgaagctag	240
gaagcagnta	atgatctaca	gactacctca	ggcctccgg	ctacacctta	naagattcag	300
gtgggtctggc	cgtaaccatc	gtgagaagat	tggggtcatg	tatcttttga	ccaggg	356

<210> 572

<211> 134

<212> DNA

<213> Mus musculus

<400> 572

cactaacagt	catgacnnat	ctggtgatca	tttggctctga	catgtgcaca	tatttcaaca	60
agactaggac	tgtaganaga	tcaggactat	ncggattatc	atagcancca	gaactggcca	120
gaagatgcaa	gctt					134

<210> 573

<211> 188

<212> DNA

<213> Mus musculus

<400> 573
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 gctcaaggaa cccagtcagg aggctctgcc tgtaaacctt ctcaaggagc ccagccagga 120
 gtcccggatc ctgtgccctg acccggccat cgtaagtga cccctgcgtg gccgctgaaa 180
 aaaaaaaa 188

<210> 574
 <211> 188
 <212> DNA
 <213> Mus musculus

<400> 574
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 cactccacac tgcaggggna ctgcntactg aatataaagc tgtggaaggg acatctctgt 120
 nccgacctcg agaangtcta cagctctgat cgagaatgga nttggaagcc atggctaaat 180
 tacatatt 188

<210> 575
 <211> 231
 <212> DNA
 <213> Mus musculus

<400> 575
 ttccaagagg acccttanaaa gggcttgggc tgtatctgct ttgtgttngt cctgcctgg 60
 atgtgaacat ttgaactgac ccttcgaatc aatgtctatg cctgaagcac gtctatgata 120
 ctcatctgcc gtaggctgga aagtggaggaa caagtggggg gtttggggcac cccacatcct 180
 ctactatgga aatgtctaca agattcgtgt tggatgggtt aaaaaaaaaa a 231

<210> 576
 <211> 558
 <212> DNA
 <213> Mus musculus

<400> 576
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 gaatggcgcc tgactcgtct ttgttcaagg taggcgctga ccaaagccac ctcggaatcg 180
 gttactgtgg aaacntgggt ctgctntggg ttnttcatca ccagtgaaga gtnccaggac 240
 ccttctctat tttgncgctt acaggangtt tctttgcttg ctaatcnaca naacagacaa 300
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 aaatagatct ctatgagttc anggctagcc taagnctaaa agttgagttc taggccagat 480
 agggttacaa cnggangatc ctatcttana taaatgaaca aataaaccaa gttacctnga 540
 ncacccaaaa aaaaaagg 558

<210> 577
 <211> 107
 <212> DNA
 <213> Mus musculus

<400> 577
 gatgaaggct tctctgctct aggctttccc tcagaccctg aagacatctg tntctcattt 60
 cccatctgcc ccaataaaga agtttctatg tcaggcaaaa aaaaaa 107

<210> 578
 <211> 232
 <212> DNA
 <213> Mus musculus

<400> 578
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 tctgcaggaa cctgtccctt caccctgctt tggacactga gcttcggagg atctggctgc 120
 gagctgattc aacgccaggg cgccgcctag aggtcggtcg cgtcctcggc ctogetcacc 180
 gaccacagag ctgcttgtcc aagccacagt gtcagactta aacaaaacaa aa 232

<210> 579
 <211> 136
 <212> DNA
 <213> Mus musculus

<400> 579
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 ttggaaccag attgnttctt gcaaagctnc tttttactgg tttggcttgn atctaattggg 120
 ccttttaagc taaaac 136

<210> 580
 <211> 397
 <212> DNA
 <213> Mus musculus

<400> 580
 aagactgagt gcacttcaca gcaaaaaatga aaacggaatc attaaaaatgg ttgaacacag 60
 accaattctt ttaattttaca atttgctgaa aaatcattgt cgctgttttc accctatgaa 120
 ccctactaag agaacgggtt ctcagagcgc agccgcagcc gcctggcacg gcctacgagc 180
 gagegccagg tgcatttgca cactgactgg aagaccacgt gggcaggagc agggtaaggc 240
 accactctgg acagtaaggt agcttgcatg aacaagagtc agcaccacga gtgggtgctc 300
 agcaaatact tgaataaatg aaaaccataa ttagcacgat tctgttcacg gccagcaatt 360
 cttcaacccc aataaaaatac ctataaaaaa ccaaaaa 397

<210> 581
 <211> 261
 <212> DNA
 <213> Mus musculus

<400> 581
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 cgtttaccac canccagggtc tccgagggct gngtagctca ngctgccaat gctgtgctg 120
 aagtcacagt tctcttcctg gattttcccg gatttactgt gagactccag gataaagaaa 180
 gcagaacaca gaacacagaa cctgcccaca gtgaaagctc tagtttggtt gttataaatt 240
 ttgtcattat taaaaaaaaa a 261

<210> 582
 <211> 232
 <212> DNA
 <213> Mus musculus

<400> 582
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 taaacaattc cagntntctg ctgcancatg ctgttaactg tggattnact gtgtgcaagn 120
 ctgttttana ttttttaatc taagcaccac tgaatcttat taaacgtggt ttttggnng 180
 ntnggtngc nggatctgt gagagctcat gngggttttg gcctcagttt ga 232

<210> 583
 <211> 450
 <212> DNA
 <213> Mus musculus

<400> 583
gaaggacagg agaccagcag gagctgggat gaagcangat acatccaaaa gacaaaaaga 60
attggcccca gccccnngc caccctgcaa actaaggcat ctcatctctg tggccaaaga 120
gaaggggcaa atggaagtac ccaggagagg agctggccca gggccctcag ccagctcca 180
gaagggtgac cttcctcatg taggctcagg taaaggtagc attacccaaa gcctccctca 240
tttcatgatg gaagattctg gaacaaatgg gaatgccagt aaaccnccna cagccaacac 300
agggcagctc aactttctct gtgtncctaa tttcttggtg tgtgagtggc aatccctaata 360
tgcccttcta nanaagaaat tcaactctgca ctagtanagg attctactgn agacctctcc 420
ttgaganctt tcccactcac cctgatgat 450

<210> 584
<211> 367
<212> DNA
<213> Mus musculus

<400> 584
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tggggagaag tgcttggtaa aaggttctgc acatcaatgg ccctgtttcc tggaaacttac 120
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agatngttca ttggtaaaga gcaccanctg ctcttctgaa ggtcccnagt tcaaatccca 300
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gtatttg 367

<210> 585
<211> 163
<212> DNA
<213> Mus musculus

<400> 585
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tgcattncaca taancacaca tccacacgtt gtaataataa taa 163

<210> 586
<211> 241
<212> DNA
<213> Mus musculus

<400> 586
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gcnatnaann ntccatnct gaagccccta ttctctagaa agtataggaa ctctctgacc 180
tgcaggcatg caagcttcga cctcgacgtc gagaaggagt gagggctgga aaaagaaaaa 240
a 241

<210> 587
<211> 261
<212> DNA
<213> Mus musculus

<400> 587
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ctgcctctg aaggatcctg agtcaactgcc ctcatctact atgaatccct ccaaaattaa 180
ggcgtttct atggtgcttc tctacaataa ttatgtggct ttataattag ttgataaaat 240
attaagactt aaaaaaaaaa a 261

<210> 588
 <211> 239
 <212> DNA
 <213> Mus musculus

<400> 588
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 tttctaatac agccttttga atcgtnacgg gacaagtgtg ccatggctcc ggtcgggtcca 120
 gaggnecatga ttcnatgnac cgaatgacag gatgacaacc atccataaag anatctntcn 180
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<210> 589
 <211> 267
 <212> DNA
 <213> Mus musculus

<400> 589
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 tgaanccttg anattctggg aaggantnct agnacnngaa tcctattgac aatgtgagct 180
 cctctgagtg tctgngannt ncttccacgn tcntnatctg ttgcagcaag acccttttct 240
 acttgaattt gtttaatgat gttaatt 267

<210> 590
 <211> 321
 <212> DNA
 <213> Mus musculus

<400> 590
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 ttccaccaag aacacatcag tagacatcac ctattcgctc ttctggggta caaatatct 180
 agaaagcaag agaagacgag ggggagctgt ggatttccac ctgaggatct ccaatgccaa 240
 cgagtcaggc ccctacaaat gcaaagtcaa tgtttccaac ttgatgaaat acagtcagga 300
 tttcaacttc aaaaaaaaaa a 321

<210> 591
 <211> 344
 <212> DNA
 <213> Mus musculus

<400> 591
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 ccactcttac agtcaagcga gcaatggatc aaaatgctaa tcagccagga caggagagac 180
 ccagcgttcg cctggaaaag ctacagcact gggcaagaca caagcaaagt ggacgcctac 240
 tgggtgctggc ggtgaggcca ggttgccccg cttcaggttt tcgctgactg tacacagttc 300
 aattccactc atgttcagtg agcacaaccc atgcaccaga aact 344

<210> 592
 <211> 124
 <212> DNA
 <213> Mus musculus

<400> 592
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 gactccatgt natatgtagt gaaattactg tatatagttt ctattnaatg ttaaaatgct 120
 aaaa 124

<210> 593
 <211> 848
 <212> DNA
 <213> Mus musculus

<400> 593
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 atgatgagcc ccttgagact acgggtgact tcaatacaac taaaatggc aacaccttaa 180
 ccagtcagta caggttcacg gtttttaata ncaaacaatt gggaaaatat tcttgtgtct 240
 ttggagaaaa ggaactaaga gggaccttta acatncacgt acccaaagct catgggaaaa 300
 aaaagtgcgt gatcgcttac gtgggggatt ctactgtgct gaagtgtgta tgtcaagatt 360
 gtcttccttt aaattggact tggtagatgg gtaatgaaac cgcacagggt cccattgacg 420
 ctactcgaa tgaagaatg atcatcaatg gttcccatgc caatgaaaca aggtcaaga 480
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 tntgggcata cttgccgaag tcactcctct ggggggcac attctgctt gtgaagnggc 660
 cccccccng aaaaagaatg accccaatg cttggggaaa agaaatttga accaaattgg 720
 accagctgga aatcanatga tagccatggc ttanaaaaac aatgggtccc cggtncanaa 780
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 aaaaaaaa 848

<210> 594
 <211> 121
 <212> DNA
 <213> Mus musculus

<400> 594
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 tgtntggact ntctccnagt ccancagtcg ctgggcacca cgaaagaact gcataaggag 120
 c 121

<210> 595
 <211> 160
 <212> DNA
 <213> Mus musculus

<400> 595
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 tgcactcang ctccctnnat ncttggagtg actgcgacta gnagagcctg ccctacnate 120
 atggctggcc ctccctgaag gncaataaag agtgtgaaac 160

<210> 596
 <211> 380
 <212> DNA
 <213> Mus musculus

<400> 596
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 gtgcttggga ctcaagaacat ttctctcagt cgcagagccc ttgatggagc caaggatacc 180
 ttgccaccct acagaggact cgggggttoca cattcgctcc ctgccagcct acctggtccc 240
 cagaatgatc ctaaagccca ggggagctcc ctgaagcctg gagctactga aaagcactca 300
 acccgggaga aggtcaaaca ctactgaag gctctgacct gtctctgcgg gcaggtggag 360
 tagtttcata ggatctgtca 380

<210> 597
 <211> 402

<212> DNA
<213> Mus musculus

<400> 597
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gctgggggta gagttgccag aactggaagc cgccgcactc ctctgtccagg aggaggaagg 120
tgctggaaga gcagcccagt gcaatccctc gcatcaggct ccacactcca gtcccagagcc 180
cagtgactcg gacagcacct catcctctgg cacagaggac tcagcgtcag agcaagagga 240
gcctgctggg acccagccct cctgtctcac ttctctgcaa gccccacttt tggaagagga 300
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aagcagtcaa ggacaagcca ctggcctccg gccgggctct tt 402

<210> 598
<211> 104
<212> DNA
<213> Mus musculus

<400> 598
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aagagctgta atatctcagt gactggatga agtccaatgt atca 104

<210> 599
<211> 333
<212> DNA
<213> Mus musculus

<400> 599
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aacagcagca agatcagtga tcttccgaaa aacgagtact taaaaaagct gtcaggcccc 120
gagtctatat ctgaaaacga ccccttctgg aatcagctct tttcattttc tttccccgca 180
ccaaccagca gttctgagtt gaagctattg gaagaggcaa ccatttcagt ttgcaagtct 240
ttgggtaagg tgggaaggga gagaaaaaca ggcagtttct aagattttnt gttaaaattt 300
ttaatagtnt aataatatga gttgaattaa aaa 333

<210> 600
<211> 394
<212> DNA
<213> Mus musculus

<400> 600
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gagggaccag cttccatggg ctctcctgca catgaggatg gccagaaaga ggaagtgcct 240
gcctgggagc tgtecgcttc acactgtccc ctctgtgggt tcctcgggaa cctggctcctc 300
tatccgtccc tngtcacaca tttgancttc aagggttggg aacctcagtt gnctgtgcct 360
ttcctgagaa tgacgaatgc ccacgtgctc atgt 394

<210> 601
<211> 374
<212> DNA
<213> Mus musculus

<400> 601
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tnagcatgta gccctgcctg gaaatcctgc ctacagagtct caagtgctgt gtgacagntt 120
tgatgacanc gtagngctg atgnatcnat ncggatatgc ncctgggaca gncccccanc 180
atagctgnen tnacgactag atgncatgna cctnctcatg gcnatcacag ccnctccnnc 240

ccagcaatgc cacttccagg aattgatacct cacaacacaga gtagctctga cataggagtt	300
atttatttgca gtgtggtttg tgatattaat gtagaaatac attocatcaa taaagatctt	360
tcagttaaca ttag	374

<210> 602
 <211> 182
 <212> DNA
 <213> Mus musculus

<400> 602	
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accactagtg ccttcacat ccaggaatat tttgccaaaga gaatggccca attaaagaac	120
aagccacaag cctcagctcc agggctctgac ctttcagaga cccctgttga aaggaaaaaa	180
aa	182

<210> 603
 <211> 387
 <212> DNA
 <213> Mus musculus

<400> 603	
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ggtttgagga acgccgatgc ccaggtacca catgactccc cagaaccagc cgcacaccca	120
aatctgtgtg ggattgacca cgaggcgctg aataagcaaa taatggagta caaacgcaag	180
aaggagcgag ggcttcagtg tcagagtctg gcgccaccat cagggcggga gcaggcacct	240
gaaccgaccc gtctgtctcc gaagagagag aaggtgcgat cccggtggca acaccgggac	300
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<210> 604
 <211> 176
 <212> DNA
 <213> Mus musculus

<400> 604	
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cacagtcagg cttcaacgac cagagtctcc tgggcaactga gctcatctca gggtagacc	120
cgatgttggt tcccatgaat ccttgctgtg gagaataaaa ggcagagtca caaaaa	176

<210> 605
 <211> 138
 <212> DNA
 <213> Mus musculus

<400> 605	
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<210> 606
 <211> 281
 <212> DNA
 <213> Mus musculus

<400> 606	
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ccttgctgcc tatgtcccga gggntgaga gggccnaaca tggaggantg cagaaccaag	120
gactccnggg ggactctgcn tgccggaang gctctgnggn tgcattttct aaaagcttca	180

tctcatcctt ntcaatgtca gnggcanaaa aaactgaccg nagctcaa	240
ggnccttct nanccctct gggtaatggc tactctctgg g	281

<210> 607
 <211> 634
 <212> DNA
 <213> Mus musculus

<400> 607	
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gattctcacg ggcattttct gatatttggc tttggatgca gcaagccata tgaaaagatt	120
cctgatcaga tgtttttttca tactgactac cgaccactga taagagattc caataactat	180
gtcttgatg agcagacaca gcaggcacct catcttatgc ctccaccatt cttggtggat	240
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tttttagaaa aactgagttt tagacaattt cagncttctt ttcaaaacaa ttgggncntt	600
cccgtcgga aatggggcca aggtttttaa aggg	634

<210> 608
 <211> 109
 <212> DNA
 <213> Mus musculus

<400> 608	
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agtctttgta cgcaaagaat aaaaatgtga agaactttaa aaaaaaaaa	109

<210> 609
 <211> 266
 <212> DNA
 <213> Mus musculus

<400> 609	
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anactctacg tgtgtgagga ttgcggttac actgggccn accnangang acctgtatct	180
gcatgtgaac antgaccatc cagggagcac ngttttctca aaagacttcc aaaaagntng	240
gcggncccta tgcataacaa gctgac	266

<210> 610
 <211> 302
 <212> DNA
 <213> Mus musculus

<400> 610	
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ggaggcgtgn ananaattat annatnnggt agatnctgat agcatnnagt gaagtagcat	180
caattggcag actgttttac ctcataagca gtgctgtacc gactttctcc tcatccacac	240
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aa	302

<210> 611
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 <212> DNA

<213> Mus musculus

<400> 611

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ngttcaaat	cogttntttt	ggtcacnggn	cccanntggt	ttgggaaacc	ttggggggag	660
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<210> 612

<211> 370

<212> DNA

<213> Mus musculus

<400> 612

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cgtctgcttt	tgatgggtat	ncanatgaac	cttgactat	aaacatanca	ntacgaaatt	180
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ccacgaagtc	atnatgtgac	gtgacagata	agtgggtgga	aggcattgga	nagctacgtc	360
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<210> 613

<211> 478

<212> DNA

<213> Mus musculus

<400> 613

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ctaaaacctt	octaaaaata	agaaatTTTT	accctttctg	ttactgtaag	cctgaccatt	420
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<210> 614

<211> 158

<212> DNA

<213> Mus musculus

<400> 614

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tgccacataa	ataaagataa	tttatataaa	gaaaaaaa			158

<210> 615

<211> 321

<212> DNA

<213> Mus musculus

<400> 615

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tgaagataag	cagagtcocct	tgaaagcaag	ctttggatga	gttctagaag	catcctgttt	180
tgagacacgc	ogttgaagat	gcacccctgc	tctgcagttc	ccctccacgc	acaggattga	240
agaagtaaaa	gctcctatac	agaaggtttc	acatctgagc	agcagagtcg	gttcagtaaa	300
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<210> 616

<211> 124

<212> DNA

<213> Mus musculus

<400> 616

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<210> 617

<211> 771

<212> DNA

<213> Mus musculus

<400> 617

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accgttgagc	ccaggacaag	gttctgggtg	gttcccanac	actggtggca	tttacnttgg	720
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<210> 618

<211> 736

<212> DNA

<213> Mus musculus

<400> 618

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caaggaagaa	tgacaaaagg	ggctggagtg	gcgcttagca	gttaggactg	ntcgtgctc	600
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736

<210> 619

<211> 261

<212> DNA

<213> Mus musculus

<400> 619

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tcaactgaag	tctaaagggtg	ggcgatcaga	tgaagacgga	ccaccttcca	cccgcagacc	180
attctacaag	actagagcag	actttctcaa	gagacatcgt	taactcaata	caaagaccaa	240
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<210> 620

<211> 258

<212> DNA

<213> Mus musculus

<400> 620

acagtgcctg	ctctggaana	tgtgactatg	acattncgat	naggaccatg	gcnnacagtc	60
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tgancnata	ggnacactt	atcgataaat	cccatctgac	tcctnaatgt	ttacatagtc	180
cctgtccaca	tggaataaag	cacacaagtt	atttcaccan	aaaagaagaa	catngcngac	240
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<210> 621

<211> 113

<212> DNA

<213> Mus musculus

<400> 621

gtcttggccg	gagaccggag	ccatgtctgt	gttatcccca	ctgtagacaa	tccttgcttc	60
ctctggacat	ctggagcagg	cccaatttga	ctgagagcct	ccccccacta	aga	113

<210> 622

<211> 523

<212> DNA

<213> Mus musculus

<400> 622

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tctttccgtg	tctgccgaaa	gactcagaaa	cggatttcca	ggactcagga	agccaaatac	180
caagtgtagg	agagaaaaag	cagcattttc	cttaccaatc	ttaagcctga	agggttaagg	240
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cacaggggta	caatatactc	ataaaacttg	ggccagcaat	gtagcaaaac	ccatttgntc	420
atattttttt	cctgtgtctt	catacagtct	tttcagatat	aggaaagata	tctctaaggg	480
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<210> 623

<211> 267

<212> DNA

<213> Mus musculus

<400> 623

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ccgtggagaa	gcggtacgca	aactgcacag	ttcgtgccgc	ttgagcaaaa	tagaggtcgg	120
tggaggccg	aggttgcctc	ccttcgaggt	ggagaacaac	ttcgcagccc	acagccgccc	180
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ccccgggtt	gttttgaaaa	aaaaaaa				267

<210> 624
 <211> 214
 <212> DNA
 <213> Mus musculus

<400> 624						
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aacaatgtca	cttttctttt	tttaaaaaaa	aaaa			214

<210> 625
 <211> 129
 <212> DNA
 <213> Mus musculus

<400> 625						
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ataacaaac						129

<210> 626
 <211> 405
 <212> DNA
 <213> Mus musculus

<400> 626						
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tnggncacca	gngttagctt	taaaacanca	atgganccca	cntntngacn	ctcccgggca	240
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ctcaccaagg	tcattacctt	gatgggggca	gggagaaggg	ctgggaatgg	aagaagacct	360
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<210> 627
 <211> 105
 <212> DNA
 <213> Mus musculus

<400> 627						
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<210> 628
 <211> 426
 <212> DNA
 <213> Mus musculus

<400> 628						
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ggcagtggga	tgaggaagac	ctgactcagg	acatggacct	cattgagacc	agacctgcag	180

gggatgggac	cttccagaag	tgggcatctg	tgggtggtacc	ttctggagag	gaacagagat	240
acacatgtca	tgtgcaacat	gaggggctaa	cccagcccct	tgttctaaaa	tggggaccctt	300
ctaagcacac	cattcccac	atgggaatca	ctgttggcct	gcttctcttt	ggagtttgtgt	360
ttactggagc	tgtggttgcc	atagtgatga	ggaagaggaa	agggtctcac	actgtaccct	420
taaaaa						426

<210> 629
 <211> 270
 <212> DNA
 <213> Mus musculus

<400> 629						
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naggataana	tcacagagga	gatcggacac	ncncangagg	ctaaccagac	cctggngnga	120
attgactggc	agcatttata	atcgctcctn	tactaanaac	ttgacttggg	gttttgtaac	180
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aattctttat	ttaagcttta	aaaaaaaaaa				270

<210> 630
 <211> 195
 <212> DNA
 <213> Mus musculus

<400> 630						
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ttacaataaa	acactgtttc	tatccttcta	ggctctatta	aaagatgtat	ggatagttaa	180
agcataaaaa	aaaaa					195

<210> 631
 <211> 105
 <212> DNA
 <213> Mus musculus

<400> 631						
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tcccaaacta	tggaataaac	atgtttccta	acctaataaa	aaaaa		105

<210> 632
 <211> 272
 <212> DNA
 <213> Mus musculus

<400> 632						
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ggcgaacgcc	cgttccagt	taatcagtgc	ggggcatctt	ttactcagaa	aggtaacctc	180
ctccgtcata	ttaaactggc	ncggggggaa	aaacctttta	agtggtcncc	tntgnactac	240
gcatgccana	ggagagatgc	ctcaccgatt	ac			272

<210> 633
 <211> 415
 <212> DNA
 <213> Mus musculus

<400> 633						
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cgagatggat	gtgaatatcg	ggcacgaagt	cggctatgtg	attccttttg	agaactgctg	180
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caaccctttc	ctgggtagct	atggcgctcat	catcttggac	gatgtccacg	agagaagcct	300
ggcgactgac	gtgctgctcg	gactccttaa	agatgtgctg	ctggcaagac	cagagctgaa	360
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<210> 634
 <211> 548
 <212> DNA
 <213> Mus musculus

<400> 634						
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cacaagaatg	ccccaccgc	actgattgac	aagtgtatcg	agaagttcaa	ccatgtganc	180
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cggtaaaatc	tgtcngtttt	ttgcagcttg	aggtctgaaa	aatctgtctt	acacatccat	480
gtttgtaaac	accctttcct	gcagaatata	ntnatattaa	agaagtcaag	aaggatgtta	540
aacaatat						548

<210> 635
 <211> 334
 <212> DNA
 <213> Mus musculus

<400> 635						
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ggtggcgcca	gccttcctgg	agtgtgtaca	tatatgtaca	ggctgtacat	acaggggttc	240
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tatgatatac	ctgtttaagt	gccttaaaaa	aaaa			334

<210> 636
 <211> 996
 <212> DNA
 <213> Mus musculus

<400> 636						
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gctactgatg	tcaggtgcta	acgtcaacgc	taaggacaca	ctgtggctga	cccctcttca	120
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cctgaataag	ggagccagcc	tgaatgtctg	cgataaaaag	gaacggcagc	cgctgcaactg	420
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cagctgtaaa	gatcgaaagg	gctacnggct	gcttcacaca	agctgcagcc	agtggccaga	540
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gggnaaactt	ggttaagntt	naaatnaaat	gggggggcct	ntaancgttt	naacnttacc	900
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996

<210> 637
<211> 172
<212> DNA
<213> Mus musculus

<400> 637
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tgcattcttt ttcccatcaa taaatgtgtt gtgatatttt taaaaaaaaa aa 172

<210> 638
<211> 327
<212> DNA
<213> Mus musculus

<400> 638
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tgaagagcag ttttattatt tgaattacat catttagcca ctgtgttggc tagctaaaaa 300
cattaaacaa gtgattttta ttaaagt 327

<210> 639
<211> 617
<212> DNA
<213> Mus musculus

<400> 639
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ncctctgtgg cttgaag 617

<210> 640
<211> 529
<212> DNA
<213> Mus musculus

<400> 640
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aggggtcatg accctgacag gagttgcctg agtaccagcc ggccttcatt ccccatgatg 480
ccccttagaa accatttnca taaacaggcg tcacatgtta aaaaaaaaaa 529

<210> 641
 <211> 106
 <212> DNA
 <213> Mus musculus

<400> 641
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<210> 642
 <211> 638
 <212> DNA
 <213> Mus musculus

<400> 642
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 gagtagactg cttctcacta taggcttata taattgaaca tatacattag atctggcctg 600
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<210> 643
 <211> 147
 <212> DNA
 <213> Mus musculus

<400> 643
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 aattcaaggt tctgcttttc caagcta 147

<210> 644
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 <212> DNA
 <213> Mus musculus

<400> 644
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<210> 645

<211> 105
 <212> DNA
 <213> Mus musculus

<400> 645
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<210> 646
 <211> 190
 <212> DNA
 <213> Mus musculus

<400> 646
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 aaaaaaaaaa 190

<210> 647
 <211> 138
 <212> DNA
 <213> Mus musculus

<400> 647
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<210> 648
 <211> 346
 <212> DNA
 <213> Mus musculus

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 tcgggccacc tgcttggctg actggctgct cggcttgac ggcgttgttg tacagccacc 180
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<210> 649
 <211> 152
 <212> DNA
 <213> Mus musculus

<400> 649
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 gaagaaaagg cacaagaaga attcagggca aa 152

<210> 650
 <211> 402
 <212> DNA
 <213> Mus musculus

<400> 650

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aaaagcctcc	aatggctgtg	tgcttatcca	ctgttanctg	ggatctctcg	ctccgtcact	360
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<210> 651
 <211> 156
 <212> DNA
 <213> Mus musculus

<400> 651						
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<210> 652
 <211> 388
 <212> DNA
 <213> Mus musculus

<400> 652						
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tcgaagtgat	ctcattgatc	aaatgaaggc	ttcaagacca	attaaaggga	agacagggat	120
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taaattggctt	ttaaaaactt	tggtttacat	ccattctgggt	aatttgcctg	ttggctttga	240
aatccatatt	gttcacttta	ctttttataat	atatcagttt	ttataatgta	actagtattg	300
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<210> 653
 <211> 124
 <212> DNA
 <213> Mus musculus

<400> 653						
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ccta						124

<210> 654
 <211> 403
 <212> DNA
 <213> Mus musculus

<400> 654						
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caaaagacaa	gggacactgc	agattcatcc	tgtggtggtc	acatcattcg	agatcgctat	120
gcgagaccag	aatgccttac	agctttgagt	cttggtttga	tatcactagt	ctttctgaaa	180
ctgctgaaga	tattatagct	aaagagagag	aacagaatgt	tttacctatg	ctgcaccaga	240
ttttaacgcc	tttctactg	agaagactga	agtctgatgt	tgctcttgaa	gtccccctta	300
agcgagaagt	agttgtttat	gcaccacttt	gcaataaaca	agagatcttc	tatacagcta	360
ttgtgaaccg	cacaattgca	aacatgtttg	gatcccgaga	gat		403

<210> 655
 <211> 145

<212> DNA

<213> Mus musculus

<400> 655

cagactgagg	tgtattccag	agaacaattt	tgagatatct	ttgcttata	ttgacattga	60
gcagtcaggg	gatttaggca	tatgaggagg	tactgtcaca	taaaacagtg	tctagtgaag	120
acgacaagaa	agagagaaaa	aaaaa				145

<210> 656

<211> 453

<212> DNA

<213> Mus musculus

<400> 656

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ccntnccaga	tcttcangan	gaanggggat	atgccccang	ncncataac	taccctgtgc	120
ggggattgct	agttttacgg	acctcctgaa	ccagcgtgcc	ttctcccatc	tcctttacct	180
gctacaacta	caaanagcct	cctttttant	tcccgantac	caaaaaagg	gganactgct	240
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gtnttcaacc	caggggtttt	caccagnatt	cnacataaaa	aacctggaan	agaataaacc	360
tttggaagg	ggatnaatcc	cccgaagggc	agaatanccc	cccgttcttt	gttttgcaag	420
gcccgctcct	tgggcaaagg	ggatttccca	aaa			453

<210> 657

<211> 143

<212> DNA

<213> Mus musculus

<400> 657

gactgaggaa	ttcacatgnc	gacaaaaaaa	gacatttttc	ttggtagctg	aacaaaggct	60
gaaggactgg	catnacnacg	gnggctatcc	tgaggggaccg	cacatggcgt	acgatatgga	120
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<210> 658

<211> 507

<212> DNA

<213> Mus musculus

<400> 658

acctgagccc	tgggcatctc	tctagaagcg	gtgcgatcat	ggaggtggtg	ccggccgagg	60
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gtattgaggc	tgtaattgtg	tcattcccaa	ttcccatgga	gacagagctg	gaagaaattg	180
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tgtacagtaa	ccacactaac	caagttgcag	tgaataccac	agtttctaaa	gcagattcta	300
ataccacagt	gaaaccagca	tttccaagtg	gccttcaaaa	acttggtgct	cagactcctg	360
tgactatatc	agccaatcag	attattttta	acaaagtatc	acagacatct	gatcttaaac	420
ttggcaatca	gacccttaaa	cccagatgga	cagaaagtta	atattaacaa	cttttgggca	480
aagtcttggt	tcaacaaatt	ggttttaa				507

<210> 659

<211> 154

<212> DNA

<213> Mus musculus

<400> 659

gactgagaac	cctgagcctg	gagggtttct	ttccccccct	cctcctgagg	cttagttgat	60
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taaaataaag	aagccttgaa	catgaaaaaa	aaaa			154

<210> 660
 <211> 280
 <212> DNA
 <213> Mus musculus

<400> 660
 gactgagctt aaattcccta ccaggccaaa ggtgaggggt cctacaattc ccatcacaaa 60
 gcttcacacc atgaagccag ctccacgctt aacacctgta aggcttgctg cagcctcccc 120
 cattgtgtca ggagccaggc ggagaatagt gcggtgcatg aantgcaaag cttgtgtgca 180
 aggagaatgt ggagtctgcc actactgtag gggacccttc tagtttctgt aaatatgaa 240
 tcagtgagtg aataaaaatg tgctaataaa tgaaaaaaa 280

<210> 661
 <211> 126
 <212> DNA
 <213> Mus musculus

<400> 661
 gactgagcag tccccccacc agcctctgtt gtctgtgtgg tcttttccca ttgccagtcc 60
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 aaaaaa 126

<210> 662
 <211> 134
 <212> DNA
 <213> Mus musculus

<400> 662
 ttcaggatcc cccggtgatg actactcttg agggncctcc ttgggggggt anctgggcnn 60
 cnntggccaa agaaaggaca aaagcttttn gggggatnan gttaatttaa agactttttg 120
 gttcaaaaaa aaaa 134

<210> 663
 <211> 565
 <212> DNA
 <213> Mus musculus

<400> 663
 aagccatgct tgttttntgg ntgnacccca ccgtctgtat gtacagctng cctccagctt 60
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 aaagggaanaa cccacataga aagcagagag gaaattntac aggccacacc ataggggggc 180
 attcagagtc agagccaagg ntccccaaa ttgatgacca aagtagtttt cctgtatctt 240
 cagtttgctt acaaagtagg atgccattga tgccttacct acctaggtgc agaggccctc 300
 aattacctnc tcacacggcc tggaagcccc gatccccctc gtcagcatct tgccctcttg 360
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 ctctatgtct caaggtgcat gcctagcgaa ctgggctctc tggagtatna accagatgtt 480
 taaatacggg ctacagttacc tacacccttt ttttgtcaaa attatccact tganatattt 540
 aagttcagag gaaaagttaa cgggc 565

<210> 664
 <211> 446
 <212> DNA
 <213> Mus musculus

<400> 664
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 nggatgctat aggggcacag gaggctaaga tgctgacctg aggggatcgg ggcttccagg 120
 ccgcgtgagg aggtaattga gggcctctgc acctaggtag gtaaggcatc aatggcatcc 180

tactttgtaa	gcaaactgaa	gatacaggaa	aactactttg	gtcatcaatt	tgggggagcc	240
ttggctctga	ctcttaatgg	ccccctatgg	tgtggcctgt	anaatttcnc	tctctgcttt	300
ttatgtgggt	tttccctttg	cggagagatg	gngttttttc	cggnatggct	tcaanccagc	360
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cagaccgggt	gggggtacca	acccag				446

<210> 665
 <211> 105
 <212> DNA
 <213> Mus musculus

<400> 665						
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tgattgttgg	gattaaagat	gtgtntctaca	tcagcaaaaa	aaaaa		105

<210> 666
 <211> 243
 <212> DNA
 <213> Mus musculus

<400> 666						
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tactgatctt	tgcgtttccgt	gttacagact	tggactccag	gataatgagg	gtttaaatta	120
tocagatgct	cattcttttg	cagtgncata	tttacaaaat	ttcgtanttt	aagcctttta	180
tttaaaaagc	ctgcttttaa	tactgcctgt	gagtaaacc	ttgataaaaa	gacatgtgaa	240
aaa						243

<210> 667
 <211> 172
 <212> DNA
 <213> Mus musculus

<400> 667						
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aaataccact	gaccaaaaaag	caggtgtttg	cggatcagtg	ccccctggaa	gtgagtcata	120
ggcattgttc	aagaaggaag	cagctaagac	aacatgaatg	aacaaaaaaa	aa	172

<210> 668
 <211> 115
 <212> DNA
 <213> Mus musculus

<400> 668						
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tattttggac	tangcctgga	caatttttgg	accctccgtc	tcaaaggaaa	aaaaa	115

<210> 669
 <211> 346
 <212> DNA
 <213> Mus musculus

<400> 669						
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ggacagcccc	ccctccagtc	ccaccggaca	caactgggag	atgaattatc	aagaggcggc	120
aatctacctc	caggaaggtc	aaaacaacng	acaagtctct	caccaccccc	aaggatgcca	180
nagcgtctgn	ggcctacctc	ttngtccaca	accacttntt	ctacatgatg	gagctgctca	240
cggccctgct	cctgctgctg	ctgtcgtctg	gcaagtcccc	cgctgtcccc	gtgctcaagc	300
tggacacttt	acgtccacgc	cagcttgtaa	ctctttgccc	tcatgg		346

<210> 670
 <211> 156
 <212> DNA
 <213> Mus musculus

<400> 670
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 aactgcagc ccaggagggg ctgccagggc tcctcgtgaa tcctgacaac accgccatca 120
 ttaaacattg ctttctcttt cctccaaaaa aaaaaa 156

<210> 671
 <211> 267
 <212> DNA
 <213> Mus musculus

<400> 671
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 ttcccatcct aatgatgatg atgttcactt cagaatttca gatgacaaaa tctttactga 120
 catttttcac tacttggagg tgttgtttcg aattattaaa cctaggaaag tgttctttat 180
 ggctgttgac ggtgtggctc ctgcagcaaa aatgaaccag caacgcggga ggcgttttag 240
 gtcagccaag gaggcagaaa aaaaaa 267

<210> 672
 <211> 583
 <212> DNA
 <213> Mus musculus

<400> 672
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 ctacaaactc aagcttgatc tgttcggggc atgcnaagggt gccagctgac 180
 ttacgacana cctgaagggc acagactttt gattttgatt actgtaaata tttggnagtc 240
 tgtgtctctt gngttaaaaa taaattgnta agaccactaa atacctaaaa gaaatctgtc 300
 ctaagnggggt aaaacttcgg aaaaccacaca acgagaagaa gtcggtcctg atgctgatcc 360
 tctgcagctc cgctgtgcca gccctggagc tcactcaggtc tctgacagca ttcaaaggag 420
 atgccaaaag ttatgaaatt atttgcaaaa catataaagg gtccangaac aggtaaaagt 480
 tgcttgagaga aancgtgnga taccacctgg gtgtggggga cntccgggga agaattnaaa 540
 nacttggatc aaacnagaat gggctccatt tgaaccctt aaa 583

<210> 673
 <211> 212
 <212> DNA
 <213> Mus musculus

<400> 673
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 gaatogatga attogagctc ggtaccggg gatcngaagt tcctattcgg aagntcctat 120
 tctctataac cgnatacggg acttctcgac ctgcagagca tgcaagcttc gacctngaca 180
 gtctganaag gantgagggc tggatatggg ga 212

<210> 674
 <211> 432
 <212> DNA
 <213> Mus musculus

<400> 674
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atgccgtgct	ggcctttatg	gcccgttgcc	tgcaggtcgt	catgtgtcac	atgttcaccg	180
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agaggcccg	gttgaacgtc	gtcatcttcc	cctgtctcca	cgagggcctg	acagatgtca	300
tccgagatgt	ccccatgctg	cacctggatg	agatnancct	gntcaaaaanc	cgtgtggntg	360
atgaaccggc	caacctatgg	tggtgaaagg	accttggcag	ccggccaaca	agtcntgccg	420
caogtcacca	at					432

<210> 675
 <211> 342
 <212> DNA
 <213> Mus musculus

<400> 675						
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ataatggctt	tgaagacaag	attattctct	gttattcaaa	taatggccat	tatgattctg	120
tatattcaaa	agaatttcaa	tcaactgcag	gaatttgtca	agctatatta	tatgaacttc	180
tttataaaga	tgtatttggt	gtggatgaag	aaacggtgaa	aactgcagtc	gatttatttc	240
gaagtgggtc	caggagaaac	aaacacccatg	ctttggctgc	ctgatgtaat	ctctctgggt	300
tgaggcatta	ttaaaagtgt	gatttgtgcc	taaaaaaaaa	aa		342

<210> 676
 <211> 240
 <212> DNA
 <213> Mus musculus

<400> 676						
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accggtcaca	gctcangcgg	ccctagacgc	ttctggcaca	gggatggagg	ctggctgggtc	120
actgctgctt	tgaaagtccc	aaacatcttt	gaacagggtga	gaagaaacta	ctttttcctc	180
tcttttagacc	tctgaccacg	aagggatctg	aacaaggaat	ctgaatttaa	aaaaaaaaaga	240

<210> 677
 <211> 292
 <212> DNA
 <213> Mus musculus

<400> 677						
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gctgagccct	cagacactgc	actgtctoca	gcagacttac	catctcccgg	agcaggatgc	120
agaggacgt	cctgactaca	tacatgtact	gtggactgcc	cagcaatcga	tggtgtgaaa	180
gccgtccttc	ctctgaagaa	ctctctgect	gatctgtcct	cagagcccga	ccatgctgct	240
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<210> 678
 <211> 454
 <212> DNA
 <213> Mus musculus

<400> 678						
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tgctgaggat	gccgtctgaa	cgaggggagcc	agagaacatt	gcagcatccg	tcacccgcag	180
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gagttggagg	aagaggatgc	tattttaatct	ccaaatagcc	agccgcgtgt	tccacaaaac	360
tcttgcccaa	gtggccatta	ctgttcagcc	tggacctagg	aaactgctat	ctttttgtcc	420
actgggagta	cccaaaaattt	ccttctggga	caga			454

<210> 679
 <211> 382
 <212> DNA
 <213> Mus musculus

<400> 679
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 aagaagaaag tgactcagat atacatggaa ctccaagttc taccagtaag tctcaagaga 180
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 taatcactgc cagacatatt cagatacctt gcccgaaaag tatacaaatg ctnaccaatg 300
 attttatgaa aaagaacnng ttgccctcaa aactgcagaa aactgaaaat cnaatagggt 360
 gtatcacagt attgccggtc ct 382

<210> 680
 <211> 770
 <212> DNA
 <213> Mus musculus

<400> 680
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 ctgocgccag catcatggcc gntgcctga tgaagcgggtg tacctgcctg cttcgagagg 180
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 aananaatcc anattggtna atggaggnc ctaaactag gacttccttt 770

<210> 681
 <211> 408
 <212> DNA
 <213> Mus musculus

<400> 681
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 atgacctttc gctcatggac ttctgtttc cacttcctaa gtgctgggat tccagggtccg 120
 tatcacctgt atgtatctta ctcatatcac cgcattctct gagtaccat cccctttata 180
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 tottcccatg ttttctgtat tgaaactatt cccagtgtat agtgttcaca tgagtccctt 300
 tctcacttgg tacctccctc catcatcaag ttgctgagtg aaatgaacaa tataacgggtc 360
 ccctaactct caggagggac tttttaaata aatgtgtttt aaaatcat 408

<210> 682
 <211> 388
 <212> DNA
 <213> Mus musculus

<400> 682
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 cccagtgag aagtccacg agtcttacag caggtagcgt ccgctcgttg gcgccccagg 120
 acagttttgc attagaacgt tatcattcat ttcaacctta cctaaccgat agccgtagcc 180
 ctccgtgctc ttggtggacg tggtaagcaa gcgctctgcc taagccgagc cttgcgctat 240

ttgtaaaatt	cccaacgott	gtcctttttt	agactcgaca	gttctgaaca	gggcgtgtga	300
tgggggtgtg	ggagggtaga	ggtcaaggct	ggccagttag	attgtctggc	tttttctttt	360
taaataaatt	agctcactta	aaaaaaaa				388

<210> 683
 <211> 226
 <212> DNA
 <213> Mus musculus

<400> 683						
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aggaaagaga	cctccagcct	cagcgttctn	ctcacattct	gagaggaaa	gaggaagagg	120
gccatgctgt	gnggnccaag	gctggctttg	cccggggaag	gagccaaaa	ctcccgggga	180
aaatgatgga	agatggaata	aatcaataaa	atcagaccaa	acaaga		226

<210> 684
 <211> 206
 <212> DNA
 <213> Mus musculus

<400> 684						
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cctcctgcct	cacctcccag	gggctgagat	gacatccacg	tgtacccatg	gctttgtgcg	120
tgaaccacca	gcactgtatg	gcgctacctc	cacagccata	aaatgctaac	attttaataa	180
atttttagct	aattgaaaaa	aaaaaa				206

<210> 685
 <211> 210
 <212> DNA
 <213> Mus musculus

<400> 685						
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agtgaacaaa	tatcagacat	gtgcataatt	ggagaacaca	ttatcactgg	cagcttacaa	120
gggctcctgt	ctataanaga	gtccacacgc	ttgaagctca	gcgtcactcc	attanccatg	180
cgannaccta	tccactgcgt	tttataacct				210

<210> 686
 <211> 338
 <212> DNA
 <213> Mus musculus

<400> 686						
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gctcttaacc	ctgagtcac	tctgccccat	cctgtatatg	taaagccctg	ccttggtcct	120
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ccaggtcctg	cacactctaa	gaagggaact	ttgagtttcc	ataccagtcc	actgtctccc	240
cctcctggac	agccagaacc	ttgagagccc	ggctatgcag	tcttgtttgt	ttgcccacct	300
tactgtcaat	aaagggtgat	ccatcctaaa	aaaaaaaa			338

<210> 687
 <211> 371
 <212> DNA
 <213> Mus musculus

<400> 687						
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caaaactgat	tgcattctga	gatctcagca	ttgagaccct	taaaaagctc	cacctgcagt	300
tagttagaaa	cttggtgtcc	tgtgggagtc	aaggaaaatc	ctccncccct	aaaatatattg	360
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<210> 688
 <211> 424
 <212> DNA
 <213> Mus musculus

<400> 688						
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catagccttt	attattcaat	agaaaggcct	ttgaagttct	tccagacagg	agccttactg	120
gagattttac	attgtgctat	agggattgtg	ccatcttctg	ttgtcctgac	ttctttccag	180
gngatgtcaa	gagttttcct	aatatgggca	gtgacacata	gtgtcaaaga	ggtgcagagt	240
gaanacagtg	tactttctgtt	tgtcattgcc	tggacaatca	cggaaattat	cccgttactc	300
cttttacaca	ttcagttctat	taaaccatct	gccttatatc	atcaaattgg	ccaaggtaga	360
cactttttca	ttcnnggctg	gaccccaaag	gggagtgacn	gggagaagct	cctcacata	420
tacc						424

<210> 689
 <211> 257
 <212> DNA
 <213> Mus musculus

<400> 689						
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aaagatagaa	gctcaacttg	acaagattcg	tctggatccc	agggtaatgc	angacaaacc	120
cacaccattt	tncatctgtg	cgcacataca	agcatgnnn	tgagccagta	agcancgagg	180
atggtaaagc	caggtgttng	acagcaganc	gtancatcat	tttcttacia	taatttattt	240
gtttctagac	aagatca					257

<210> 690
 <211> 411
 <212> DNA
 <213> Mus musculus

<400> 690						
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ctaccataaa	tatgaccggc	ggtggcagga	aacatctgtg	gtacatgcc	gaagaataca	120
tcagacaggg	aagactttcc	gttaaaaactg	atgtctacag	cttcggaatc	gtgatcatgg	180
aggttctaac	gggctgcaaa	gtggtgctgg	atgacccgaa	acacgttcag	ctgcgggacc	240
tcctcatgga	actgatggag	aaaagaggcc	tagactcctg	cctgtccttc	ttagacagga	300
agataccacc	ctgtctctgg	aacttctctg	caaagctctt	ctctctggcg	ggcccgggtg	360
ggtggcaacc	aangccaagt	ttaagaccca	cgaatggacc	gaaaggctct	t	411

<210> 691
 <211> 657
 <212> DNA
 <213> Mus musculus

<400> 691						
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ttgggtccgt	ttgttcggat	cctcgaggcg	cgccatttaa	atggcgcgcc	ggccagcgag	120
gccgnaccc	aattcgccct	atagggaaaa	tgtgaactga	tagttaacca	agccacagag	180
agctctgtgg	ggagagacca	ggtgacctca	tgatgtccct	cagtgtctga	ggtctggaga	240
aactgaccac	agctcatag	tcaggtgacc	aacggaggca	ctgactaatc	angattgtag	300

tactgtgact	gtggggatca	ttaagggctc	aggggtgacc	cgcaagcctg	gagcttaggg	360
gcctagacat	ttgccacttt	gatacaaagg	ggtggtcagc	attctgtctg	tcctattntt	420
ttccaagccc	ccctggtttc	cccgctcctg	ccgccttnct	tttttagggg	ccttctctta	480
ccataagcct	tgganctggc	cttgaacttt	ttttttgcca	gaacccgggg	cttgaccttg	540
ggaagctnac	aggcnagntc	ntatcttacc	ntgngetgtg	tttctgaang	ggtttggggg	600
tngcaannnt	tacccccang	cttccttggc	ccccntttt	ccattaaaaac	aaacccc	657

<210> 692
 <211> 141
 <212> DNA
 <213> Mus musculus

ggctcctctc	tatggcctgt	ccatgagctc	ctgccttgac	ttccctncat	gatngactat	60
aaactgtcag	ctttgagtct	cgatnaagaa	cacagathaa	gatggaacaa	ttaccttttc	120
ggnacccggg	caccacttgt	g				141

<210> 693
 <211> 544
 <212> DNA
 <213> Mus musculus

aactgagttg	aagcctgaga	caagacaatc	ccagagagat	gaagtgnatg	accnaataac	60
acctgctctg	tgaggaaaac	cactgcacct	gagaaacgtt	gttgccagtg	ttgctgcttg	120
tgatacanat	ggaaaggagc	ccgggaatcc	attggacagg	ctcttctccc	tgagacagca	180
agcttctatc	ttacaaaagt	ctgaatacag	cttctgataa	agaactggaa	gctttcaggt	240
tgcttcgagg	aaggaaaagtc	ccgtcaatat	tgtanaacac	aagaaagaaa	tttgggccgt	300
ttcanangtt	ggagaatttg	atagacgtgc	cctttgatcc	aatataaaaac	tgctgttgaa	360
gttgtaactc	cattctctgt	congagaaca	gacggaggaa	aaaagtcnca	gggagaaagt	420
ggctgcttga	naaangttca	ttcaaanccc	nggggttgan	ccaagaaaaa	actttaangg	480
gcagcttaaa	naanattcgc	atcttttttg	nttttttgna	cttccgaaaa	aattgcattg	540
ggct						544

<210> 694
 <211> 265
 <212> DNA
 <213> Mus musculus

agactgatga	atgctgacca	gtgagatgcc	agcctgcgtg	tgaagatcct	acagcagaag	60
tgcatggcca	gtgacacaag	aacttgcgtg	agatgccagg	acttggnagg	tgggncttga	120
tcctnaaga	ctctgcactn	acacncaacg	acntaatnnn	tnatnactnt	gncntccan	180
cccaagcatn	tacnanttna	ntgcttttnt	tagtactggg	atgtttgana	tggggtctat	240
ntacttgtnt	cttgetgtcc	ctate				265

<210> 695
 <211> 132
 <212> DNA
 <213> Mus musculus

tgaggaaactc	tcaaaggntc	ggacaaggna	agcatggcnt	ggttccatat	atctactgcc	60
tchnaatngat	gaattcgagc	tcgggtaccg	gggatcgaag	ntnctattgg	gaagtncccta	120
ttctctagaa	ag					132

<210> 696
 <211> 514

<212> DNA

<213> Mus musculus

<400> 696

gcctcctgct	gctcctatnt	gtgggattga	tcacnaccta	tgngatgctg	annanccaaa	60
agataaccnn	ganggcttag	agaaggtnca	gcaaggatga	ggctgtangg	gccttctcca	120
tatctcctcc	anaanaggna	ccaagggtca	cagnttacia	gatggtnaag	ctgggtgcac	180
tnagccctc	tttgggacat	ggggctgtat	tcttntcatt	ttgacaacct	ggatccctnt	240
ctntnttgg	catcctttta	gaagccaana	gaaagggtgg	ttgtgaagcc	ttnactttc	300
cttatgctca	gangctnaac	attgctngtt	ggctcctgtcc	atctcacagc	taaagctccc	360
tgtcncctcc	accgagactc	tncctctacc	tntntcttct	accacttgct	taanngattg	420
acatgccttc	acctctntgt	ccagaactgt	acngttacat	ggcagctctt	ccctananac	480
actttccatc	ttnatgaaga	cttctggacc	cagg			514

<210> 697

<211> 101

<212> DNA

<213> Mus musculus

<400> 697

gaccactaga	caggagatgc	tgccaagtgc	cccagacggg	atcaagactc	caatgacaac	60
cataagattc	cctaaagcta	agacactgca	aagaaaaaaa	a		101

<210> 698

<211> 306

<212> DNA

<213> Mus musculus

<400> 698

agactggcct	cttgacttgg	atttcccagt	cttcacaagc	acaagacaaa	cacattttctg	60
ttcattataa	atcactctgc	tccagacatg	tggttacact	ggaacaagat	ggaccaagac	120
aggcaacgtc	cttacaagaa	cctcaacgtg	aagacccatg	ctttgctttg	ctttgtcttc	180
caagatgatg	cttactcagt	ggccaatact	caacacaggt	agaaaccaat	aaatcagtga	240
attagcacat	ttgtggtaaa	caaagtgtatc	aataaaaatta	aatgtatctg	tagatgaaaa	300
aaaaaa						306

<210> 699

<211> 359

<212> DNA

<213> Mus musculus

<400> 699

ggtcttgggtg	gataccagtt	ctgttttcgag	taacactgct	aaccctgaga	atgagtcaga	60
agagcagtct	tcacccccga	ggagaaggaa	aagacagtgc	gcccctctca	atctgacaga	120
gcccagcctt	aaaaggcagg	tgngnnnatg	nnnttaatgn	gcttnngagg	acnnttntgc	180
ctggnttagn	actngaacac	tnccgaannt	cangngcgc	gatgantctg	ntngacagtg	240
ggancctgg	cnaattang	ncacgatgan	ccctttttct	gcgncctttc	ctantattaa	300
annaantcag	ctttcgttta	atttctatct	tactactgtc	attttaaaac	ctttaattg	359

<210> 700

<211> 381

<212> DNA

<213> Mus musculus

<400> 700

gactgagatt	taggaccgat	aagcctcaat	tggtttgagg	agctttctctc	agaagccccc	60
ccatacaatt	ctgaacctcc	ggaggaatct	gagtataagc	cccacgggta	tgaaccacag	120
ctgttttaaaa	caccacagag	gaatcccccc	taccatcagt	ttgcttcaac	tccaataatg	180

ttcaaagaac	gaagtcaaac	tctaccactg	gaccagtgcg	ctttcagaga	attaggggaan	240
naggtngng	gggggnaca	tgctttaat	nntagnacta	aaaaggcaga	ggnnccgttg	300
ggctctctga	gttatgaggn	cctntngctt	tanttatcan	ggacgaggac	tgccaagagc	360
tgcatactgg	agagatgctt	t				381

<210> 701
 <211> 274
 <212> DNA
 <213> Mus musculus

<400> 701						
gactgagggg	aggcctcaaa	aatgagaaga	ttctattntt	ggatctgcc	gcaactggggc	60
tgtctctgca	ggcctggctc	ggaataccca	cacctagaat	ttccaagagc	tggcaggata	120
atgggcgccc	aaagctgttc	acatctcaag	tctccggaac	ccaggacctt	aggtggtaga	180
ctgcaggatc	aatatgagta	tcagaggcag	cagcaggatg	cgatgctctg	tgtgagcccc	240
catgacatcg	tgagatgcc	ggacttgga	ggtg			274

<210> 702
 <211> 416
 <212> DNA
 <213> Mus musculus

<400> 702						
actgagattt	gaggagggga	aaatatgatg	gtgtgaagat	cctcttagcc	atcacaaga	60
tatggcaggc	gtgtgaaggga	caattgtgtg	cattcattag	ctgcttccgc	caagcaagaa	120
ttgtcatcaa	aaggaagaaa	ttaccagcgc	tgctacattt	aaactcagcc	tgggccagca	180
gccatgagca	gtggccacag	tgaaccttgg	aggccactag	gcaggngnga	aagnttgag	240
ctacattccn	gcnagncttt	ggatcctggn	ttgggtatnc	ccataatntg	nnttggcaga	300
tagaagcaaa	gctcaacatc	cccaggatgc	ctgcatactt	ggttggaac	tcaactccac	360
tccatttact	tggtgtactc	ttcaggggtc	gtgagatgcc	atgacttgga	aaggtg	416

<210> 703
 <211> 127
 <212> DNA
 <213> Mus musculus

<400> 703						
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ccnntantag	gagggngatg	ccagctnctn	acccgacgtg	agatgccagg	acttggaagg	120
tgaaaaa						127

<210> 704
 <211> 434
 <212> DNA
 <213> Mus musculus

<400> 704						
agactgagac	cccctgtgat	gcttctctgac	tgatcatggt	ataagtgtgc	ccggaatcca	60
aaggcagcat	atnctgtgga	agaattgtct	tcatcatgga	gagtcaacag	gatgaagctg	120
ttcaaaccac	aggagcatca	acttctagcg	atgcccaaga	ccaggagct	gaaaaggag	180
ccaagaataa	gacaactgag	gcaacagaag	gaccaacatc	agagcctccc	ttatcaggcc	240
caggtaggct	gaagaaaact	gocatgaaac	tctttgggtg	caagaaggga	atctgtactc	300
tgcttagttt	ctttgggggt	ggccaaacaa	aggttctggg	aaagtcagct	cttagaaaaa	360
gtctaaacaa	gagtnagact	caogatngtc	taagtgaac	cgtcttcang	gacctnaaa	420
attttgtcat	ttga					434

<210> 705
 <211> 444

<212> DNA
<213> Mus musculus

<400> 705
agactgagaa agaactctgc aacatgatac ttgattgctg tgcccaacaa aggacctatg 60
aaaaattttt tggcttgnta gctgggcggn tttgtatgct gaaaaangga tacntgggat 120
cntttggaan ganattcaag ggaccaggac caaccnttc cttcgttana gaacaaccaa 180
atggagaaaag gtgcttaaaa tggttggctt cccctttatt cccagaatt cacttcccgt 240
gggaggtggn tcttcgaatg gtatnaaaac tggagtggaa agaagacccc cgaacattcg 300
tntaaatccg aaattttttt gtcnaagaat ctttctttcc aggaacctgg ngtggaaata 360
ccattggggt cnttccctaa aacctggaat gccganggtt gnaagggatg aaaacttctt 420
ccagcccttt cgtgaggatg ccca 444

<210> 706
<211> 264
<212> DNA
<213> Mus musculus

<400> 706
ttcttgtgga actctcnnag gtcangacag gatctgtgta cncaanngat acgaacggga 60
cggcacggac gggantccac aaggtangaa gcctgcgccg nnagatgcca cgacttnaaa 120
nncgggacca gtccgacagt canggcgcgc gccgcgcneg acgtaancca cncgcgcaga 180
aacggacgcc gcggtcaaga tgnctntgtc atgcnaacg ggacgcacgg acgcacggac 240
ggacttcaaa aggtaggaag cctg 264

<210> 707
<211> 106
<212> DNA
<213> Mus musculus

<400> 707
ctccatcact atacgggaga tgctgncang ngccccagac ngtatcaana ctccaatgac 60
aaccatanga ttccctaaag ctaaagacac tgcttaaaaa ataaaa 106

<210> 708
<211> 205
<212> DNA
<213> Mus musculus

<400> 708
aactgagccc ggactttcgc gacgccttcc gtctgtcttct gtgtatgcta cgggtggccgt 60
ggaccggagg agccacgcgc agtcaccttc ccagccagcc ctggttgaagc caggcagagt 120
ccaccgctca acaggtttga tggctatgaa ggtgcgcgtc cgtttccac gtgaagggcc 180
gtgagatgcc aggacttga ggtgg 205

<210> 709
<211> 188
<212> DNA
<213> Mus musculus

<400> 709
ttaacacact gagggctctga catggctcac cngacnncta gtgcagnngt tgctcctggg 60
ganctggatg gtcnnactgn gctcaaattc agacctactc ggnccacgga ctgaacttnt 120
caatgtctgc gtganatgcc agggactnng aaggtgggac aacgtgagat gccaggactt 180
ggaaggtg 188

<210> 710
<211> 242

<212> DNA
<213> Mus musculus

<400> 710
actgaggtgg ggtctttcag agtcttcttg tccaagacca gtgactgcct gcttccaatc 60
tgtgggtccc gggacagctg agcttgctcc ggcagcagag agactctgga gggcttgctg 120
ggaagtccgg ccgctcggc tatgattgac ggcagcggct tccaatcgag aagcttctcc 180
acttcctgtt tccaggagca gggaaaagcg ccagaagtcg gagatgccag gacttggagg 240
tg 242

<210> 711
<211> 312
<212> DNA
<213> Mus musculus

<400> 711
cctaccctga ctgaggtatc cccaggcatc atctattgac ggagcngac gatcnacacg 60
cttaactntg aaccaggata cattnatgct aggctaccac atgtcggngg gaagggnat 120
ngaggacnc atgtnacant cctcgagang gcggctccca ggacgccggg ngangncng 180
ncntcannna caccantagc agcantggca gtggccanaa ggcngnagga acagacaaaa 240
gtaccgcggg ggcgcgccacc acggcgccga cctacgtggc anacgatgcc ccacccccctg 300
agcgtcgtga ga 312

<210> 712
<211> 408
<212> DNA
<213> Mus musculus

<400> 712
agtccggcaa cagctantcg aganacctgn ataaaagggt ctaattacta canatgaaag 60
aggaagatga cggacnatga tgactttaat gnnancnacn aggaggattg atnntcanc 120
ccgnacaccc ctctcccntt cgaatcagnt tnnggaannn cncnntaga gganagaaac 180
ttaaaggggg gctttctgtt ctttttgcc tactoccaa aagatacccg cgagttcttg 240
agtttagatg gcagctocaa gtgaggagga gtgtgcgcag tttgagccta gctgcggatg 300
tgttgtgaag ccagcgtgct aatgcagagc ctctatctac cttttaggat tttatgggtn 360
ctctcttttc tctctttttt ttctttttct ttcttttttg aatttgaa 408

<210> 713
<211> 295
<212> DNA
<213> Mus musculus

<400> 713
tgaggtgggg tctttcaccn cgaccgtgtc tggaccaggt ctctcgagatt cccatgtctt 60
cattggtggc tanatgaact acatgcagtt tatgcgcttt gncagtgatg gnactactca 120
naggatccag gcgcgagggc cctgggtgaa nngatgggg cctgtgtatt tgnagatgga 180
aagaaggaaa acggttagct attcncacag ngcccataa aacctgcgat tcgcaatcca 240
ggtctacanc cagagcgacn aggtttgnaa catggggcca gaccgaccgc ctct 295

<210> 714
<211> 282
<212> DNA
<213> Mus musculus

<400> 714
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tggaacact cacagcanac cgataaaaaa ctgccnttct ccttaaagaa attaggggta 120
aacnacatnt ccgngttttg aanaggngaa caccgtttac aaaaccaag aacaagtgat 180

cnatgttaac accaccatca aggccttttt tggnangcaa actntttttc caaggccacg 240
 ttttgagtc caaaaggcaa gccncncaag acctttctgt tg 282

<210> 715
 <211> 304
 <212> DNA
 <213> Mus musculus

<400> 715
 ggacggagca cegtgcaccc ggggcagatc ctacagacag nctgtgannt cccnaggtn 60
 ggacttttga tcataagcac atnnngaggn ataantgccn tncgtggaa cangccncaa 120
 anccaatcat gntgngactg gttgttnccn agacagtga accactactg naccacac 180
 gcacatcctg nctgtcagn aggtcanttt catagcctgc tanggtctac ccgtagagat 240
 gccannactt ggaaggtggc ttcaacaaac ttctangaca gttcactttg attggaattt 300
 cccc 304

<210> 716
 <211> 456
 <212> DNA
 <213> Mus musculus

<400> 716
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 gatcgactcg tgggtactga gtgccagctg accactcac accagcctg cccacgtgag 120
 ntncctacc acttncgccc aggccacttg ctggccaatt cctgcctgcc agtccgcac 180
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 acagatccgg aggccaaagta ccgggacttg ctgttgccat tttaaagatg aaatggagat 360
 gagggcagcn nccaaaagcc ccttanccng aaagaagact gagaggaatg aacagtcagt 420
 tcctacaaga agaaaccggc aggaatggag gttggt 456

<210> 717
 <211> 126
 <212> DNA
 <213> Mus musculus

<400> 717
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 tctccttcaa ccacaagaga agccgactcc gagagaagct gagccttctg cactatgac 120
 caatag 126

<210> 718
 <211> 189
 <212> DNA
 <213> Mus musculus

<400> 718
 ggcaaacata gtgcgcat 120
 gcaaaaagga attccagtaa aaatgcggat agagattggt actctgtcat atgcaggagt 120
 tcatcanccg tcaatntgng gtgcttgagn cccccgcct ttatcaccat tgatgaccat 180
 tttctttac 189

<210> 719
 <211> 312
 <212> DNA
 <213> Mus musculus

<400> 719

cactgagtgt	gtaaagtga	caatggccag	taatcacaaa	tcttcagccc	ctcgccctat	60
ttctcggggt	ggaataggac	taacaggaag	gcctccttct	ggaataagac	ctccatctgg	120
caatgttcga	gtggcaactg	caatgccacc	aacaacagca	agaccagggt	ctcgtggngg	180
tcccttaggg	actggtggag	ttttgtcatc	tcaaatacaa	gttgctgac	gtcctgtgac	240
ccaacaaggt	ttgagtggaa	tgaagactgg	catgaaaggt	ccccagaggc	ccgtgagatg	300
ccaggacttg	ga					312

<210> 720
 <211> 428
 <212> DNA
 <213> Mus musculus

<400> 720						
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gtnatatcat	cactggnetg	gtttgaccca	ctggctgnca	ngatnctggt	acctgntggn	120
nggcccttga	gctatttggg	ngactacacc	ctatcctgca	cataatcacc	tgccgctggg	180
tccagactcn	aagttncaag	atgccttccn	ggctaaaacc	cggacatgtg	agccactgnc	240
aggccccaac	aattacncag	aacctnngtg	gnacctgnga	aaggcatnng	anatttntaa	300
naagcactgg	tggatngng	ctccatggaa	gaagaaaaga	attaaagaaa	acccgtactg	360
gagaaaatnc	tgnaaccctt	gcaanagagg	ccccggagct	ttttccagag	actatgccct	420
atcctgca						428

<210> 721
 <211> 136
 <212> DNA
 <213> Mus musculus

<400> 721						
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tgactgacag	aaaacatcaa	atctgaaatt	cttggatgag	acagacnngt	ncaccgataa	120
cagaacaaaa	aagaaa					136

<210> 722
 <211> 213
 <212> DNA
 <213> Mus musculus

<400> 722						
cctgctgcc	aggctaata	tgataccag	actccaagtc	acttcaaagt	caccaccccc	60
agactcaggg	atcatgntga	agaagaagtc	ctccaaaaag	aagggttca	aatttntgca	120
ggagaagatg	tttgaagttt	cagcatgtca	tcaggaatca	gttnttgacg	cagataagcc	180
agcagatgca	gtgcgtcccg	ccgtgagatg	cca			213

<210> 723
 <211> 424
 <212> DNA
 <213> Mus musculus

<400> 723						
gaggtgcccc	gatcattgat	ttgatgatgc	togtgattga	tgtgaccaag	ggaatgcaga	60
cacagtccgc	agagtgcctt	gtgattggcc	agatgcctg	ccagaagctg	gttgtgggtg	120
tgaacaaaat	agacctgtta	gcagaaggga	agagacaggg	agcgattgac	aaaatgacca	180
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cagccaaacc	tgggggacca	gaagccctg	aaactgaagc	tccacagggc	atctcagaac	300
tcattgagct	cctgaagtcc	cagatttcca	tcccaacgag	agacccctct	ggaccattcc	360
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tttc						424

<210> 724
 <211> 180
 <212> DNA
 <213> Mus musculus

<400> 724
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 antnncctgt accgagttgg agtcatcaaa acctattctg aagngaggga gtngagacgt 120
 tctcctaggt taagggctgg ctccatggcc tctcagggg attntgttcc caagtgggtcc 180

<210> 725
 <211> 125
 <212> DNA
 <213> Mus musculus

<400> 725
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 cggngantnn caaaccacag agctgcctgc agaaaatgna gagaaggaaa accatagtcc 120
 accct 125

<210> 726
 <211> 118
 <212> DNA
 <213> Mus musculus

<400> 726
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 aagactccaa tgacaacat aagattccct aaagctaaga cactgcataa aaaaaaaa 118

<210> 727
 <211> 105
 <212> DNA
 <213> Mus musculus

<400> 727
 tttgttgaag acgcttngat accggacggg ccagcnnaca agcgcnngng gcgggatcaa 60
 gacancaang acaaccataa gatnccctaa agctaacaca ctgca 105

<210> 728
 <211> 408
 <212> DNA
 <213> Mus musculus

<400> 728
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 gcctctaaag cttaccttag tgcccatcta aaggaaacgg cagagcaaga tagaccttcc 120
 ccgaataata cagtaggctt gggtggacag actgatgcc cagaagtgc cagagaagaa 180
 ctgaaaaacg cattactggc tgctcaggac agtgctgctg tccagattct cttagaaatt 240
 tgcttgctta ctgaagagga aaaggcaaaa ggtgcccaatt cagacatctc cctcaggaat 300
 actcaaggtg tcaccaccat cagcactcca agtaaagaaa cagaagaagg agaagacaat 360
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<210> 729
 <211> 207
 <212> DNA
 <213> Mus musculus

<400> 729

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cnatcagctn	cacatnaaca	taaccgcac	tgggaagagg	gagcctgccc	cnntcctntc	120
atacaatatn	gngacactga	ctaatagtga	cnactnaact	ntgcgtggga	tagcgtctg	180
nctttngttt	ntattgaaga	ttcaaaa				207

<210> 730
 <211> 123
 <212> DNA
 <213> Mus musculus

<400> 730						
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gatcaagact	ccaatggcaa	ccataagatt	cccttaaggt	tangaanctt	gcaaaaaaaa	120
aaa						123

<210> 731
 <211> 413
 <212> DNA
 <213> Mus musculus

<400> 731						
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gcttttngna	ctgnatctct	gcnaattgctg	atatngnctg	aacgggnntna	nnncaagatg	180
ccatggaatc	acggaattng	ctntgataca	cctctcccac	aaagggtgcac	atccatgaaa	240
tctctccatt	ataagctgcc	tanctgtgac	ctggctcatg	acnccagtcg	ccatgttaac	300
acgggatgag	gaaagccagg	gaggctncac	ccccacctgc	agccaactaa	gaaatgctgg	360
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<210> 732
 <211> 307
 <212> DNA
 <213> Mus musculus

<400> 732						
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ntctgcogac	aggaangggg	gacctnggcc	cagttatggt	tccnantgga	ggctttttna	180
gctgagtaca	aagatatgga	ttcaggcttt	angnctanca	agttngtca	gtgtaaggcc	240
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cattttt						307

<210> 733
 <211> 185
 <212> DNA
 <213> Mus musculus

<400> 733						
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aattngaach	tttentaagn	ntncaggngg	taaagcgcnt	ctggaattnt	ggggctcccg	180
aacct						185

<210> 734
 <211> 102
 <212> DNA
 <213> Mus musculus

<400> 734
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 cactccactt acaggatcta taagccgtgt ttcctgaaaa ga 102

<210> 735
 <211> 224
 <212> DNA
 <213> Mus musculus

<400> 735
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 ancgacctgc cactcccact gcctgccttc tagctgttcc anagccatna cagtggacac 120
 ctgcatcttt actccaagat gatttggcgg gaatcgggtc ccttcccctg cttcataact 180
 gaatgtcgna atantaaaat tgaaccttga gcagaaaaaa aaaa 224

<210> 736
 <211> 163
 <212> DNA
 <213> Mus musculus

<400> 736
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 agtccgtctc agatgaatgt ggagcattgc aaatacacca ggagcccca aatgaggaga 120
 aaacacaagg ggtcctgttg gaaaggagta aggagcccaa gaa 163

<210> 737
 <211> 270
 <212> DNA
 <213> Mus musculus

<400> 737
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 ctgcctggat gtgtggganc tnantncaaa nttgatngnc cnatctgggg ggnatncacc 180
 cccaccccan aaagaaagca naatntgttt tgtggnntggg gnntnaggcg ccaccccctn 240
 aancatggcc acccctgttg tcaccaagac 270

<210> 738
 <211> 103
 <212> DNA
 <213> Mus musculus

<400> 738
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 aaccataaga ttccctaaag ctaagacact gcaaaaaaaaa aaa 103

<210> 739
 <211> 103
 <212> DNA
 <213> Mus musculus

<400> 739
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 ccataagant ccctaaagct aanacactgc gagaaaaaaaa aaa 103

<210> 740
 <211> 134
 <212> DNA

<213> Mus musculus

<400> 740

agaacgaggg	gatcaaacag	tgctcattct	tcattngcang	gngttgcacn	gaaggtttnc	60
ggaattgaan	nacgattatt	ttgccctcct	ccttgtgngt	ttcttatggg	ccgnggggtg	120
gggaaaaaaaa	aaaa					134

<210> 741

<211> 233

<212> DNA

<213> Mus musculus

<400> 741

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tagcntctct	ccaaaacatg	gactgcttgc	ccacccaag	tngctggngg	ggaattgtct	180
ataagcccaa	cgttttctgt	nanaagccan	gtngggccat	cctgggtttt	ggt	233

<210> 742

<211> 510

<212> DNA

<213> Mus musculus

<400> 742

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atgctttata	acgtcagcaa	aggtgtggtc	tattcagata	cagccctgca	ggggcaggac	180
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aagcaaaggc	aacaagttgg	ctaaagctcg	gactgtaaag	ctaggggacc	ctgacaggga	420
cccaaaagng	gnggggaacn	gnaacgtntt	cggggactct	cctcctaata	tgganccctg	480
tnttcccagc	cagggaccac	acccggacct				510

<210> 743

<211> 131

<212> DNA

<213> Mus musculus

<400> 743

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acttggaagg	tgggccctt	tctcannaac	ntctannttt	nnnttttttn	nttatattcc	120
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<210> 744

<211> 103

<212> DNA

<213> Mus musculus

<400> 744

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<210> 745

<211> 117

<212> DNA

<213> Mus musculus

<400> 745
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ctttactcan gtgganttaa ggggaatgct ttactatgnc atgctgactg tccaaca 117

<210> 746
<211> 138
<212> DNA
<213> Mus musculus

<400> 746
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cctggcgcac tgacttgcca gctgtccaga gcctgngctg cctgcagcac ctgtgggtccc 120
tacagaaagg gagccacc 138

<210> 747
<211> 414
<212> DNA
<213> Mus musculus

<400> 747
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nagttgtgcc tgagggcagg gctgcagggg accttctgag acagaagatg ccactgaaga 120
agccggaccc tcagagcagc aagagtgagc atgttgatcg gacgttttca gatggtcttg 180
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tgttctgtn ggtgatgcta ataccaatca naaagaagca atctcagccg tggaaggagc 360
gagcctgcag tcaccttcca ggatttgctg atgaacaacc ctgagacaaa tcct 414

<210> 748
<211> 255
<212> DNA
<213> Mus musculus

<400> 748
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cancttcccc cacatctcnn tctcttgcc taaaacttaa caangtttcc cctaaacact 180
tcttgagct tgcangacan aaaagggngt gtganaggna aagacctgtc ttgtgtggac 240
ctaataccct gacct 255

<210> 749
<211> 111
<212> DNA
<213> Mus musculus

<400> 749
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ttttttgtca ttgttgctn tttttctaataa aaaggtggaa aatagaaaaa a 111

<210> 750
<211> 106
<212> DNA
<213> Mus musculus

<400> 750
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tgacctgatc ctccagcccc cagtcccga gtgcggagat tacagg 106

<210> 751
 <211> 172
 <212> DNA
 <213> Mus musculus

<400> 751
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 tccccggcca cttgtcgtaa gtgcttctgt ttctcccgag gaaagccagt aatggtcatac 120
 aagaccacaga aagcagacct gggccacaaa ctcccagaga agaagaaaaa aa 172

<210> 752
 <211> 103
 <212> DNA
 <213> Mus musculus

<400> 752
 ccattaacttt tctattgnga aagctttgng gggaaaaaac attcgtttga ctnaatatna 60
 gagctaaata aanccttgga tagcacaaaac cagaaaaaaa aaa 103

<210> 753
 <211> 143
 <212> DNA
 <213> Mus musculus

<400> 753
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 aacgaangct ccaaaaaaaaa aaa 143

<210> 754
 <211> 212
 <212> DNA
 <213> Mus musculus

<400> 754
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 ccacgggaca gtaaccacagc tggcagcccc gcatgtcccc gaggcctcag aactgtcttc 120
 tgaaaataga catggtgtgg gggctcccca canaaaggaa tgctgtactg actggataga 180
 aggagaataa aaatatactt gaaaaaaaaa aa 212

<210> 755
 <211> 418
 <212> DNA
 <213> Mus musculus

<400> 755
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 atcgngactc aacctggatt cgttcgtgct ccccaaaatt ccaactggca gaccagcctg 120
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 ggatgtcaag tggcagctga catgaatgag tgttgtctgt gtggaacaac ggtggccatg 240
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 acactcttct gtccctgtttg ctctgtgtgc caactcaaga gagacattaa caggaggaga 360
 gccatgaacg ctttctaagg agctggatgg caagaactct ggctgaaaaa actcaact 418

<210> 756
 <211> 218
 <212> DNA
 <213> Mus musculus

<400> 756
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cttctgtgct gtttccattc tgtgatcatg tcttctccat gttgtacctc ttaagttttc 180
catgatgtct caaagtaaaa gctttaagaa aagaaaaa 218

<210> 757
<211> 106
<212> DNA
<213> Mus musculus

<400> 757
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acaaccataa gatccccctaa agctaaggca ctgcagaaaa aaaaaa 106

<210> 758
<211> 107
<212> DNA
<213> Mus musculus

<400> 758
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ccacnggcgg ctgatccccg cgaggcttgt gggatcccct cgctgag 107

<210> 759
<211> 111
<212> DNA
<213> Mus musculus

<400> 759
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agataataan ngcagggaag gggggggccc tcccccttca cttcatagct a 111

<210> 760
<211> 171
<212> DNA
<213> Mus musculus

<400> 760
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tgaggtcatt ccacaggact cacagcgtga aggagagaga caactccagn aagctgtcct 120
ctgacctaca gnacgtacac ctctcctntca ataaacacat accccccccc c 171

<210> 761
<211> 104
<212> DNA
<213> Mus musculus

<400> 761
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aaaggctgna aatactggga tnggggggacc caaccacagg atgg 104

<210> 762
<211> 122
<212> DNA
<213> Mus musculus

<400> 762

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gg						122

<210> 763
 <211> 224
 <212> DNA
 <213> Mus musculus

<400> 763						
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aactgtcggg	ggagggnatt	taggaaccgg	ccgnattcnn	cccngngnac	naagnggnaa	180
nnnccnaagn	cttttnnaacc	aagggnattt	ggccccaaaa	ctta		224

<210> 764
 <211> 213
 <212> DNA
 <213> Mus musculus

<400> 764						
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cagatacccc	caggngcct	gctncctaca	attcccaatg	aattttacaac	ttntctaccc	180
catagacgtg	gggactgtga	tctcttgaac	ttt			213

<210> 765
 <211> 230
 <212> DNA
 <213> Mus musculus

<400> 765						
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aacctttact	ggctgcttg	aaaatgaaga	tgcnagactcc	anattggcga	tttatatatt	120
cttcatgcaa	gggcagcata	ctaaaagaga	gaaggagctg	cgctgaccag	tgactgaaag	180
ctgtaagcac	tggaaacatat	ttgcagaaga	caggatttct	aagggtgagat		230

<210> 766
 <211> 239
 <212> DNA
 <213> Mus musculus

<400> 766						
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tcctccaaag	aacctttgta	aatagggtcca	cttccccctgt	atccttttctt	ttatactacc	180
gctggtgggt	agtgggttac	aaggaaggtt	aaagtgttta	anacccatca	ttaaaaaata	239

<210> 767
 <211> 361
 <212> DNA
 <213> Mus musculus

<400> 767						
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ctaatacagg	ctgagctaaa	ggaanacctg	nttaacaaat	tggaacngata	gccccaggaa	180
ggcncgtatn	aagcgacngc	angcgctcgc	tcggctcaca	aangcacaat	tgccccggaa	240

aggagganga agaagatcct cttgctgaag aaaaaccgac tagaagaaga aagggttgta 300
 taaggaagan aggcnaaga ctccatgaaa aaatgggtac ctgagggag aaaggcccc 360
 c 361

<210> 768
 <211> 209
 <212> DNA
 <213> Mus musculus

<400> 768
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 ggaagtcacc ctgaccccga gaagcagagg gcccnacga aactntatgt ggccctctgcc 180
 atctgcctgg tgttcgatg tggcgaaat 209

<210> 769
 <211> 212
 <212> DNA
 <213> Mus musculus

<400> 769
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 tcacacccac agagcccga cagagaaagc cgaaccgaaa tccncgagg aacctcccg 120
 nggcnaaag gagggggtgg ggggtggtgn acctacaant ttnnatggtg gacntacaga 180
 attgactgtc acattgtcct ctgaccttca ta 212

<210> 770
 <211> 347
 <212> DNA
 <213> Mus musculus

<400> 770
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 actgtgccaa gtggtgcoct atcaactcaa aatgtgtcag taacagaagc tgtgtctgca 120
 agcccggctt cagctcggag aaggaattga tctaactccc tgcagagagc tgtgaagaca 180
 tcaacgagtg tttactacct ggattttcct gtggagactt tgccatgtgt aagaactcag 240
 aggggagtta tacctgcgtc tgtaacctgg gatataagct cttttctggt gcagaatctt 300
 ttgttaacga gagtgagaat acatgtcaag gtaagagccc cccctg 347

<210> 771
 <211> 438
 <212> DNA
 <213> Mus musculus

<400> 771
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 ccagaacaaa ggccagccgg catcctttca ggccctgcac tggccaggca gcggagcacc 180
 ggggtctctt cccagactt ctgcctttca tcaccatcat ctgatcagcg tgtcagcctg 240
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 ggtcctgtga actgactaat actgctataa agcatgcatt gctcttggtt acctttaaaa 360
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<210> 772
 <211> 108
 <212> DNA
 <213> Mus musculus

<400> 772
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ttntgnacan gggaagaat aaaatgaatg aactctgaaa aaaaaaaa 108

<210> 773
<211> 320
<212> DNA
<213> Mus musculus

<400> 773
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tggaacgggt gccccagca tcccggncgg gnaaggctnc acttggnact cctaaaaccn 120
cngtctnga agactttcct nancaatgac gatnaaaagg agcggatgca annnganacn 180
gctccanggc tcttttgacc tgnagtctna tgtacagatt cgattcatnn tggcctcccc 240
taacaggaat nttgatgctt caactaccat atctaactgt taaaaacna ccagtattac 300
aggaacatta ctctacctgt 320

<210> 774
<211> 397
<212> DNA
<213> Mus musculus

<400> 774
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acgcactntn tctatcatgg gtctctcttg gctcccagct ttcttacatt gctcgnngat 120
gganantggg aagantgggg gctacnncnn ggntnnnnng gannangncc caaacaatgt 180
gncncatgga cntattacct cactggcgng tgaaagcgtt cccaccgnac gcctgtggcc 240
tggctcataa gctgngtgga ncaggcctct cgganccatg antatagaac ttgcaatgcc 300
aaagacgtcg tctctctgcg tgcengggaa anaantcacn gggcccggcc ctgcatcctg 360
ttattttnaa ctagccatcc aaacttttta acattca 397

<210> 775
<211> 311
<212> DNA
<213> Mus musculus

<400> 775
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ggcaccgagc tcgatcaang tgaccnacgt gtgggtccgag cgccagntca gagcaggatg 120
nanncagctc ttgggggttcc tgggcantga tcnacgagct gntgcctctt nccgccggat 180
gactnacctt tgccagnttn ctatnnagnc tgctttgntn agntccatga ctcangactc 240
anangtngtg gcacagnatn tganaaacac tgagctnngn gacanagctt tgatagtgga 300
agaacaccta t 311

<210> 776
<211> 295
<212> DNA
<213> Mus musculus

<400> 776
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cancgccttg ncctgnacca tcctcacggn catgggncgn catnggagca ngagccanna 120
gacgaagttt nntgnntngc aacatctcac aggagataac agactctggg gccnccagg 180
ctngcnatgg gggangcttg cctancgctg acccaaacc tagacnnagt cctgaccatt 240
ngcccatac anattgcaaaa agggacacnc acaaatcngg ccatggagga ctcaa 295

<210> 777
<211> 259

<212> DNA

<213> Mus musculus

<400> 777

ttaacaggct	tcgaacctgg	aaaggaaaagc	cgtgtctgaga	gaggaggcat	gcttttngng	60
nngccaaaaa	ctncactttt	aaagatattn	tggnggcaac	ccaggaanta	aaaggcntgc	120
nnactaatga	aacctggctt	ttacaaaagg	gatacaaatac	tggaggacnt	cacttttggc	180
cagaacattg	tatttttggc	cacaagaatg	gtattccact	ttcccttatt	aaattgcntg	240
gtaggaagg	gaacccaaa					259

<210> 778

<211> 385

<212> DNA

<213> Mus musculus

<400> 778

aagaactgag	gtgggggtntt	tcatttggct	ccccgtcggg	gaatcnaacc	ccggtctccc	60
gcgtgacang	cgnggatact	cncnctnta	ccaattatng	nncacaccng	tggcgcggtg	120
ganttncaat	tnaacatcag	ccgttacagg	cancngcnac	tgatggaaac	cagccatcgc	180
catctgctgc	acgcggaaga	aggcacatgg	ctgaatatat	actgttattt	tgatggaaaa	240
atatatcttg	tgtctgacaa	gaanctnatn	acntttttgt	ggnatnccag	nnggtntntg	300
aagtaggcca	tnctcattac	cggctcaatg	atctgacttc	nagactattg	ggcatattgg	360
gagctanct	taaccttcct	tcgaa				385

<210> 779

<211> 466

<212> DNA

<213> Mus musculus

<400> 779

cttctgagac	ccggatgccg	gnngggcgct	gtgttttccg	aactgcggct	ggactgcctg	60
ggactctgac	acctacggct	ctcggctttc	ctggggacct	cttcctgagg	gcgtgccgag	120
acatggagg	cgcanacctg	gcagagaagc	tcctgtccac	ctggctgacg	ctgggtggcg	180
gcctcatcct	tttacctctg	gccttcggat	tatccctggg	tatctcggag	atctacatga	240
agatcctggt	gaaaaccttg	gagngggcca	cattacgaat	tcagaaaagg	gccctcaagg	300
agtcacctct	taaaaactca	gcttctgnng	gtattatcca	aagaagatga	agncacccat	360
gggagaaaagg	gctctctggt	ccttcgagga	aggggacttc	cgagctctct	gatgtggttc	420
tattttctcc	aaanaagggg	gttggaancc	atttgagggg	agggat		466

<210> 780

<211> 452

<212> DNA

<213> Mus musculus

<400> 780

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gaaagaaaag	aaggtcaaaa	gcgggccacc	gggacgcacc	gctcaagaaa	aantcancgc	120
cgggatgtcc	tgaacctcaa	agaataacctg	aataccgccc	aantttcttg	gcttcccccg	180
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aattacttcc	accttttttg	ctttgttatt	tggccccatc	ccctcccccg	cttgaataaa	300
gttatctggt	acttccctgt	tttcttttgn	tgccaattcc	tactggcccc	atccttccctg	360
ctgaaaaagg	cacttcccct	tttgcttgg	tgtttttaaa	accttggggc	ctgggcttaa	420
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<210> 781

<211> 280

<212> DNA

<213> Mus musculus

<400> 781
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aatggaatgg gggaacccca aactggctat gagatgattc agaaaggagg gatttccttc 120
agggttgcca cacagcaatt ctgggacaac cggtgacctc gaattcttag gaaaagttgg 180
ggaagccaga cttttgacca agactctcca caccatccct attgcacct aacaggcctt 240
gagtaataac acccatacat tcaaattgtca aaaaaaaaaa 280

<210> 782
<211> 111
<212> DNA
<213> Mus musculus

<400> 782
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gaacngtcat angtcctnac aggaagcntg gctggttcca aaataaaaaa a 111

<210> 783
<211> 408
<212> DNA
<213> Mus musculus

<400> 783
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cgnntgctgn ttanatnttg nttgacaaca agaggagact gtggacgtaa cgtnttccac 120
tttgggcnan agagncnttc acctttggaa ggcgcccttg cactggnttt naagantatt 180
cantaccggg gagangctgt cnccaccagg anaggnancc cnttgcctcat ngnggtacna 240
ancaantaag gttctctccn cagngcatat ccccgctcta tatccgacat gcaatntngc 300
naatggnaan aatatctgca agactaggat gaagagactg gacagcttcn cctgcctgca 360
cctgtggggcg aaaaaanctg gggaattctt ttttgttttg agcaaggg 408

<210> 784
<211> 252
<212> DNA
<213> Mus musculus

<400> 784
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ttttattaga ggggtggaaa acgtgagttg cgggtgtgggt gtggccgatt agaagaccac 120
gctggggaga tgctgcccac ctaccatcct gtgtatcctg aggaccaaac tcgggcttgg 180
tggtaaaagc ttttatccac caaatcctcc ctctgtggact tcgagattgc ctaattaggt 240
ctgcacctcc cg 252

<210> 785
<211> 151
<212> DNA
<213> Mus musculus

<400> 785
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aaaccctccc tgctcaaatt atgcctctta ggatanaggt ncccagcatt ttgttttggg 120
tagtagaaaa tacaagtaaa atgtggccag a 151

<210> 786
<211> 179
<212> DNA
<213> Mus musculus

<400> 786

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gctcttcena	aagancnnag	tgcaaatccg	canacnaaag	gcatccggag	accatactg	120
ggcgnattct	ggtgagtgt	gctgtgttgg	ttagtgcctt	ggaaggggta	aaaaaaaa	179

<210> 787
 <211> 103
 <212> DNA
 <213> Mus musculus

<400> 787	
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acatgangaa	tatggatcag
ganatttgct	cctaagaaaa
aac	
	60
	103

<210> 788
 <211> 425
 <212> DNA
 <213> Mus musculus

<400> 788	
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gtgttactan	gacgattang
agaaaangat	actcangaga
cacccatgca	gcaccatcac
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gccaccctgg	tteactttctg
ggntttccac	aggcctgctt
aagtt	
	60
	120
	180
	240
	300
	360
	420
	425

<210> 789
 <211> 123
 <212> DNA
 <213> Mus musculus

<400> 789	
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agtgggtatg	gagctacacc
aga	
	60
	120
	123

<210> 790
 <211> 300
 <212> DNA
 <213> Mus musculus

<400> 790	
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cgatagacaa	cgatctaatt
cactatatag	cgggagagag
ccttgaagca	atctggaatc
	60
	120
	180
	240
	300

<210> 791
 <211> 386
 <212> DNA
 <213> Mus musculus

<400> 791	
tgagcctagc	acagcgcccg
aggtataggc	aaccagttct
	60
	120

atotttcatg	agcagaatgg	tcacaggaag	aggaaaggag	ttgcttaccg	tgtggaagta	180
aaccagacag	agcagaggac	cacagtgtgc	ggcttcccag	cctgggtgtag	cctgatgctg	240
tgcactgcaa	gattcatgtg	gcaaattatt	aggaaaagca	agtgagtatg	gctttaat	300
ttgtactttt	acccatgggg	acatttttag	tgttttaaat	gtaagcattg	cacagaataa	360
aggtggtata	catgcaaaaa	aaaaaa				386

<210> 792
 <211> 563
 <212> DNA
 <213> Mus musculus

<400> 792						
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caggatagga	ggcaagcatc	accatcaaaa	gctcctggcg	ccctgtgcct	gtgttggaag	120
aaaagagggg	gtcagagaag	aggagatgct	catttccgct	acccaggctc	cagcttgctt	180
aatccactc	ccttgtcttc	cgtgtcttct	tcaatttctc	ctgttgacct	ttgtgctcan	240
taaacgaaat	cttccatctc	cggcngcaaa	tcagttccac	gagtctgcag	gctttctgag	300
aagaggcaac	agtgtaaaca	tgacatcttg	ggaagggtta	gnaatccggt	acatttctgt	360
tgactggctc	tctgacccca	gctgtgacat	catcattagg	cccatattta	gctccgcaga	420
gaaacaaacc	tctgtacgct	tcacgaagaa	aacagaaggc	agcagacgcg	atctctttta	480
aatactgncc	attcaccttt	acagtttaga	ataagtacta	gaataaaaaat	aatagtattg	540
cagccagtgc	cagaaaaaaa	aaa				563

<210> 793
 <211> 138
 <212> DNA
 <213> Mus musculus

<400> 793						
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ctgaggggaa	gtgccactgt	cccactggcc	atatattagg	nnagaataat	atttataaaa	120
taatggtgat	gaaaaaaa					138

<210> 794
 <211> 432
 <212> DNA
 <213> Mus musculus

<400> 794						
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gatggaggac	taatcaacan	ggncaagtcn	canggacaaa	gtatanacac	atgaataaaa	120
gacggaaatt	cctttttgcc	tcagtacttg	ctgtccagaa	ttcgaatttt	atatatccat	180
catgtcaaag	gtgcttctct	aanataatcc	ttgagtccaa	aagggtttact	tgtcccaaat	240
gtggctcttc	tgggtgacct	ggaagtacca	attacanata	caaactgtcc	ttgaaagtgg	300
cagaatccan	caaactat	ttcattactg	tatttgggag	ctgcttacat	acattttttg	360
gacttacggc	cactggttta	cacaggtacc	ttgaagattc	tattaaaaac	ctaaaaaccc	420
ctggccgggg	gg					432

<210> 795
 <211> 457
 <212> DNA
 <213> Mus musculus

<400> 795						
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ggcggagggtg	agcgancnnn	tggggaagag	cctcctcaag	ttctgctctg	gagatctggg	120
gcctgagagt	atcctgcctg	acacgcagnt	netggacccc	atgcttgctg	aggcgcccac	180
cacacccctg	gcacaagccc	cangcaaggg	catggatgat	cgggtgtttt	acatctatac	240

ttctgggacc	accgggcttc	ctaaggctgc	cattgtggna	gcacagcagg	tactaccaca	300
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tgccactcta	ccactctnna	nggaaacatc	ntnggtnggg	ggcaagngcg	cctntncggg	420
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<210> 796
 <211> 210
 <212> DNA
 <213> Mus musculus

<400> 796						
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ctgggcagga	ttaataggag	tgcctgtggc	gggatgttgg	aggtagccag	agaaagcagg	120
tgagcacagc	acgggggctc	agggaccgat	tccacaagct	cctaagctta	agnaacnttc	180
tgaaancnaa	aatccgggga	attttaaaat				210

<210> 797
 <211> 408
 <212> DNA
 <213> Mus musculus

<400> 797						
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tgcactgctg	acacagctgt	caccgttgca	gatgccatct	gccctcctcc	catctccggt	120
gtcactcagc	cccttccttt	gtctggaccc	cgacttgccc	ttttgcctcc	tcaaacagcc	180
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tctccccaag	tgtctcgggtc	ctgtttacct	cattgtcaga	gactcgtggc	cctgagtttc	300
ccagcttttg	cttctcaggc	ctgttggaat	ctctgaaact	ccttgcatct	ttaacccctt	360
acaaccattc	tataatctac	acataacat	atatagagaa	atttactg		408

<210> 798
 <211> 350
 <212> DNA
 <213> Mus musculus

<400> 798						
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gtgctcagag	ggcattgtac	atggatgtta	tgntggagaa	ttacaacaat	ctattttttg	180
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ttgtccatga	ggatataaat	atcaaactga	agtcttataa	atgtcatgaa	cttgccaaaa	300
tcataatntga	atccagtcga	agtacacctt	ataaaactaa	cctcagggat		350

<210> 799
 <211> 434
 <212> DNA
 <213> Mus musculus

<400> 799						
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agcggggaac	aggagccccc	cacagatcca	tccggtttct	accactcccc	aatgccagcc	120
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catcggcggg	cgcataacat	ggcagtgtca	gagctgggcg	cattcttgag	aaggtttgcc	240
nancntgnng	ncccatnctc	tatntacnat	cttgngnnaa	aacngccgan	gggcttntta	300
tntancnnnn	ctgggtgcntg	ncttnaanca	ccaatcaagg	ntganatctt	cggnctcggn	360
cctgctgccg	gacgggggaa	cttccggggg	nctnaactcc	naggggaagc	tgcccttgga	420
ccaacctcaa	aaag					434

<210> 800
 <211> 136
 <212> DNA
 <213> Mus musculus

<400> 800
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 ttnaaagagc anactttcca caggagctgc ttcacttagn totacagcca gcccatgtgg 120
 acttgatctc tgaact 136

<210> 801
 <211> 138
 <212> DNA
 <213> Mus musculus

<400> 801
 tgccattttg attttanggg canagganga gggggaatct cagttggtga nttaaaagca 60
 ctgaggctta aaactgcttg gaatccttca tttgaaaaca gtggccttnt agcttnttca 120
 agtcacattt ttgtgcct 138

<210> 802
 <211> 293
 <212> DNA
 <213> Mus musculus

<400> 802
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 agtctgggtt cctcagagat ggctgggaac ttggatgtag gaagtgttt ctccacgggc 120
 agatcatgga ccactttcca cagtggtatg atttntcaa gcaggacgag acagacatca 180
 agaactaggg acagaccctt gcccacaaca agacgttgaa aagtcagaaa tcctatgaca 240
 tgccatctct gctttggtac ccagaagaga gcttgagcct cttcaaaggc ttt 293

<210> 803
 <211> 109
 <212> DNA
 <213> Mus musculus

<400> 803
 ttcattgcttg gcatggngat gctgggctac cccaactttt nggcccccta tggcagangc 60
 tacccongat tttgctncta acttatngnt accaatttcc aagctttcc 109

<210> 804
 <211> 455
 <212> DNA
 <213> Mus musculus

<400> 804
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 ngaggnaatc gcggnocgng natgnetgct tctnatgcc acngaggaag agnccatctg 180
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 tagggcaatc ttctcaatga ccttgacagt cctgg 455

<210> 805
 <211> 109

<212> DNA
<213> Mus musculus

<400> 805
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cctgtcacct cacttggata aatgtttctg ttttggagca aaaaaaaaaa 109

<210> 806
<211> 225
<212> DNA
<213> Mus musculus

<400> 806
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ctcacanact gaacacatgc cctgcnntgg ncatgaatta annaatgngg ganatgcttg 120
caccttgctc tgnctgggat acaatcctgt ntagtgccca tttttatgtn ntcccatna 180
natanaagga tgccanagag ttttaancatt ttacccaact tttct 225

<210> 807
<211> 229
<212> DNA
<213> Mus musculus

<400> 807
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aaaaganatt gntcggntaa ncgancagt tgtccaaaaa gctgctcctn cagatngcca 180
aactcaacag cacttgactg gaccccgnaa cttgcgga cttcatctc 229

<210> 808
<211> 395
<212> DNA
<213> Mus musculus

<400> 808
ggttgctcga agaaagcact ggaaagacaa tacgttctact ctttttttaa acgagcacga 60
ttttcaggaa gctgctgctc caccagcc tctctctgaa cagtcctcag cagacaacca 120
caagaggatg gggagagtgt ctaacttctc cgtttaggaac actcaagaag gaaataaatt 180
caagaggaaa gactattctt cccagatagc agaaggagaa caagattcaa atttaagaga 240
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ttcatattgga tgatgcaacg aaggaaagt caccacagaag ggagagcgcc tccgcgtgga 360
ataagaagaa attgncggnc ggccccaag tccca 395

<210> 809
<211> 148
<212> DNA
<213> Mus musculus

<400> 809
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acagtcctca aataccttct caaggcag 148

<210> 810
<211> 405
<212> DNA
<213> Mus musculus

<400> 810
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tctcaccact tccccagcca gaggacggct ccgctgttac acctgcagct ttgccaagcc 120
ctgcgacctt gttcccaggg agtgtcnaga ggacgaggtg tgtgggtgtca gtgttggcac 180
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<210> 811
<211> 424
<212> DNA
<213> Mus musculus

<400> 811
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atccccctct ctctgtgnga ttgctattcc acactggagt cacctgctct gtgcttctga 180
ggaacctcac ctctggcaca tcaatggana ttgtcccttc ctttttatnt atatnnattt 240
attntttatt ttttggcacc ctcaactggc actaanagat agccctagct cctcctctcc 300
tgccctggttt tgacaggact cactccattg agnccttgtc tcgtctcttt ggcagccctt 360
cctncttccc ccccccttta tatecntnta nttttttgac cncocctttg ttttaaaacc 420
ccgt 424

<210> 812
<211> 296
<212> DNA
<213> Mus musculus

<400> 812
gaggcgttgc tgctggagca ggttaataat tctatcacca ccctacagag gaacctggag 60
aagcaagatc gtcaacgggtg actaccaccc ttggaaagca tttggaaaag taaagtgtt 120
agtgaggcta ggttgtgatg tttttcctac tggctctaata gttaaaaaaa tattagggaa 180
caatatgaag ttcagaaaagc cacactctta ttagttaagc aaggggacctt ttatggtcag 240
ggaacaagaa cagtggcagc actggctgac cgtgagatgc caggacttgg aagggtg 296

<210> 813
<211> 187
<212> DNA
<213> Mus musculus

<400> 813
agccagatga aggacctgta ttccctaggna tttgggagac tgatgnacna ggatcanggg 60
actccaagaa ttccagatca gntctggacaa cntgagatgc caggacttgg aaggtgaaag 120
tataggaact tctcgacctg caggcatgca agcttcgact tcgtgagatg ccaggacttg 180
gaagggtg 187

<210> 814
<211> 200
<212> DNA
<213> Mus musculus

<400> 814
gactgagtct ggctcttttc tagtatgttc aggtgggttc ttggaaagaa tccagcatga 60
atattattng aactgggaga ttccctgacca gaacattgat atagaagcac tgcaggtcgc 120
atattgatca ctgtatcgag atgaccgtnt taataaagcc cagcangggc cgtgagatgc 180
caggacttgg aaggtgtgct 200

<210> 815
 <211> 107
 <212> DNA
 <213> Mus musculus

<400> 815
 agaagatgtg aaagaaaaag accgngctaa agaaatggca cgccagttcc acagttgttg 60
 aagatatcac aaaggacgag caggaggaaa caccggaaaa aaaaaaa 107

<210> 816
 <211> 172
 <212> DNA
 <213> Mus musculus

<400> 816
 acactgggggt tcccagactg ccctttgaga ataaaaatggg aggccacaac caaagtcttt 60
 tggataaagc accacaatgg acaatactgt tttgaggtgc tctgtccag cctctattta 120
 tctacttctc tactctctct gcctctacta aaagtgaaga agaagaaaa aa 172

<210> 817
 <211> 485
 <212> DNA
 <213> Mus musculus

<400> 817
 gactgagggg tggaaccagg ccctccaact tctgtgaggc ctagccctgt gtcaggctac 60
 aggagtttga gatatttcagc ccctgaatgt atgtggcaag gccattagac tcactttcgc 120
 cagctcgnga ccatggatat gaggtctgcag gagtttgaga ttttcanccc ctgaatgtat 180
 gtggcaagac cattanactc gctttcgcca gtgaacagtg ggcggagcga tgtctgtcac 240
 tggcaagnng aaacattcaa ctgctgcgcg aggtctctcc tgttctcttc ttctttgtgg 300
 ggcgcatnaa gtcacacaca gaggtctggc tgcctctgtc angttgcang agngaccggc 360
 atggcctgaa ccgcccgtgt agcctgtaac acatgtacaa gactcgggta ccgnggggaa 420
 acgtgtgctt ancatgggaa agggcccgang gttaanccta agccccaat taacccaaaac 480
 caaag 485

<210> 818
 <211> 109
 <212> DNA
 <213> Mus musculus

<400> 818
 ctgagtgaac tcaagaaagc acggactact tctcaaattct ggttcgagaa acaaacccta 60
 cactggtctt ttactcatta aagggttttt atagagttaa aaaaaaaaa 109

<210> 819
 <211> 169
 <212> DNA
 <213> Mus musculus

<400> 819
 gactgagatt cccccaccat tnanaacctg gaggcactgg gccacaaaag ccttgctggn 60
 aagggtccgtc ttcatctcatt atncanacaa agtggcnaat nggagntgct tttaaanagc 120
 taggnacatg tttagtcaaa tacatcccta aaaaatgggt gaagaaaaa 169

<210> 820
 <211> 139
 <212> DNA
 <213> Mus musculus

<400> 820	
aagtgcctctg cgctctgcta ttaaccccat gaaaagagtt ctttccagat aagcggatac	60
ttgcggctgc gtggagtggg tcccagnccc agtttgctac cagcaatccc aacccaagac	120
acaggttctt ggttaaaaa	139

<210> 821
 <211> 178
 <212> DNA
 <213> Mus musculus

<400> 821	
taagtactct gcagtgggac agatgccgtg gaaggctggg ggcgctgcct tctggatgac	60
actggcactt tatagttttc tacggaaaga ttagtcgcaa acaaggcttg tagaagtcac	120
tttgttgttg tttttttaac tttaattac ttaaataaaa cccattgttt tcatagta	178

<210> 822
 <211> 315
 <212> DNA
 <213> Mus musculus

<400> 822	
tgactacact acattcanc ccatntagcaa gcttgtccag atngaatatg cttnggctgc	60
agnanctgga ngngcncctt cagngggant ngatntntga acctnggtaa caacottgca	120
catattggaa ggagagaatc acttcttgca agttaacctc ggctgactat ggtggggccat	180
accagtagga tctgctgaag aatcgagcag aggcaggaga agcccaagta caggtaatcc	240
tctggctcca catctgtccc taaacacaca catatatgca ataaataaat aaatgcaatt	300
ttaaaatgaa aaaaa	315

<210> 823
 <211> 142
 <212> DNA
 <213> Mus musculus

<400> 823	
gtaccttgct gaactcttaa atggttctaa gagttcacac gaggagtctg gatttaaaga	60
aacacgatga acagttttat tgtaagttcc ccgcaaaact ttgaatctga gcttccattt	120
actgttttgt atatatgcag gg	142

<210> 824
 <211> 440
 <212> DNA
 <213> Mus musculus

<400> 824	
agactgagaa catcggatca gaagttgaga cttccctatt gagaagcagc ggaaggaact	60
tcagctgctc atcggggagc tgaaagaccg cgataaggag ctcaatgaca tggctgcagt	120
gcacagagg cagcttctct cctgggaaga ggaccggcag aaagtgcctna ccctggagga	180
gccctncagc aagctcgaag gtgagctgca taaaaggact gacataatca agtcaactgat	240
gaagaaggtc aagacctggg agtccaatca agcagagtgc cagacagctc ttcagaagac	300
gcagcagcag ctccaggaga tggctcanaa ggccacacac ttcacccttc ttttgaaaaa	360
acnttgaggt tggctttcat ttctgatgga ctttattagt ctgaatgctg ggcttccaat	420
gtcaccatta aaagcagagg	440

<210> 825
 <211> 247
 <212> DNA
 <213> Mus musculus

<400> 825
tcagactggg tctgcagctg cccagaggaa gttcgtcac tcgctcagag acttcaagtt 60
cgagttttatc ggcgatgctg agactgacga tgaacggtgc atagatgcct ccttacggga 120
atcttctaac tttctgaaga atctggaaga acagagagaa atcatggcat taagtgtgac 180
tgaaaccctg attaaaccct tggagaaatt cagaaaagag cagcttggag ctgtaaagga 240
aaaaaaa 247

<210> 826
<211> 312
<212> DNA
<213> Mus musculus

<400> 826
ccgagttacc cgtgccacct gctnccaccc actgaacngag ctgcgtntct cagggggacct 60
ggcagccgcc tggatggcac agttgtggct gctttccacc catccttcgg agtggatttc 120
cccaactctc agttcagcaa ggaccgtctg ttctttgtca gagcgagacc agaaacaaac 180
gcggacctgc nggatgccac actgggcctt ncgggggact gagggtnгаа ggacgagggc 240
aatttacacc tgcgaagttt tgccacnttt cncaacgggt ncccggcaag ggggggtgac 300
cttggcttta ga 312

<210> 827
<211> 348
<212> DNA
<213> Mus musculus

<400> 827
actgactgag aaatcttcaa gcaagctcta tgtgggngaa ccggannnng nnncangtga 60
aagctanagg ttatnanant tacaanaaaa ggaatgccca gcaggagcta cagataatat 120
ccctgagaga tgacaatcaag agccttcagg accttattga ttctctaatag aagatgaaga 180
ttttgaaaaa cacaattttt naaantttng aanaaccac tgggatctna ctgagaagag 240
tctaaatcta aaagaaccog ttaagggaac atctggtggg gaagaaanga gattaangcg 300
gagcttctgg gagaaaaagg cggncctggc ccaacaactt tttggcct 348

<210> 828
<211> 179
<212> DNA
<213> Mus musculus

<400> 828
agactgggtg gctgaagccg tactatttta tagcagtcac ggagatcaag tgacgatgtt 60
acaaacccag aacaactttg gaaaatgaag ccaaagggaa acctggaaga tgacagttac 120
tcggtaaaat aatgactata atagccaata attaaaatgt atacatacta aaaaaaaaa 179

<210> 829
<211> 218
<212> DNA
<213> Mus musculus

<400> 829
catgccaaact ccagcagcan aaagaanttg acagggggcca ggaggccac ttgtgccaaag 60
ggtttggcac cttggagggt gtagtggagc gtgcagttcc caagctggct gcgtgtggag 120
tggctcgcag catctggacg ggcttacagt agtgtggaaa tctgcacogg tgcacgtaaa 180
acaaaacca aaccaaacia aaggagagaa aaaacaaa 218

<210> 830
<211> 165
<212> DNA
<213> Mus musculus

<400> 830
 tgtgcctctg tctcagctga tattactctg ccaatcancc tgagtccttg gangtggcaa 60
 gaaactgcag tacaccacca gaagattttt ttttactgng attctctcta tggagnccctg 120
 acaaatgcag ctcaactatg cantgtaaga tggaccaata catgc 165

<210> 831
 <211> 462
 <212> DNA
 <213> Mus musculus

<400> 831
 gactgagccc cagaactcca gntgaagctc cagtcggctg ggcacnatgg tgcacatcta 60
 caatcttatt acatgggatg ttgaggcagg aggatgccga gttcagtggtg ngcgtgcatg 120
 tgtgtgtgta tttttatata tgaattacta tatactctca gaccatgtct caacaacacc 180
 tacaaaaata aagangctct agtcagcata atcagtggtt gcagccttga cccaaaacaa 240
 aaaggngnnn ggctcagcnc catgagaaca ctttnggggg agacagaggg atttattttg 300
 gcagcatcgc ctgnggnttc acttganttt tgaattaaag acngcgaaaa aagcntaatg 360
 gccnccaaag gggacctggc taccttanta anggtgnagg gtaantgatt naatcgaanc 420
 ccttcctttt ntttttaaaag gggggatttg ggatcatatt tt 462

<210> 832
 <211> 206
 <212> DNA
 <213> Mus musculus

<400> 832
 gaactgagtc gtgcctttcc ttctgggatt gtaagtgaac cccgtgatca agtgttcacc 60
 gggttcacctg tttacactgt gaagtgggta tottacggag aacacaccag ccttgggttt 120
 ctcacgcccc gtgaatgaat gtgtacgcca cagttttacc tgctgatact gtaaggctcg 180
 aaaataaagt gaatgttttc cctcca 206

<210> 833
 <211> 226
 <212> DNA
 <213> Mus musculus

<400> 833
 ctgaggtata attgtgcaat cagcagctct gatgaccgca gtctcttttcg acgactgaaa 60
 ctgaattatg caatttttga tgaaggccat atgctgaaga atatgggctc tatccgctat 120
 caacatctaa tgacaattaa tgtaagagtg tgctttgtaa ataattgtga taaaatttat 180
 ctttctaat ttaatacata cacacatgat tttaaatcaa aaaaaa 226

<210> 834
 <211> 146
 <212> DNA
 <213> Mus musculus

<400> 834
 cctagatcct cagagcttga atatatnagc aagacagaaa caatgcttat atnaatggag 60
 gagannaaac nnaggntnnn ngcgaccanc agctcaaggg cagtctggat tacaaaaaga 120
 gaccctgtct cggaaataga aaaaaa 146

<210> 835
 <211> 383
 <212> DNA
 <213> Mus musculus

<400> 835

aacgtctgtg	agcagtgaan	actttcatat	gaatgactcc	gcatggatgt	cagctcaccc	60
ccgagtntct	tacatngcag	atccctgcag	gctatcaaga	gaagnggtgg	atgatcatct	120
ggtanaccag	ggatagttta	caggacccat	ntgaaancat	ttttttttcc	tntcaccact	180
naacaaatgg	acagttttatt	cccaaggacg	gttttgngga	naggcangct	gggcnagnag	240
ggnccttggn	gactttganc	aggtggaacc	catcttgtn	ctccctnatt	ttctaaaggg	300
cccacaaant	gacntccaca	ggngnntttt	aggggnattaa	ctaccaggtn	atttcttaca	360
aaaatgcttg	ctttgaaact	caa				383

<210> 836
 <211> 181
 <212> DNA
 <213> Mus musculus

<400> 836						
ctgagtaa	atcggtactt	tcagaatata	ggaatgagag	gcaaggaaga	aaggacattc	60
atcatacgaa	gatttgaatc	actttgaaac	tgtaaaggga	tgtagcactt	gctgccaaac	120
taccttgctc	accagaatga	aggaagtgc	tcagcattaa	atggtaacca	taatcctcct	180
a						181

<210> 837
 <211> 168
 <212> DNA
 <213> Mus musculus

<400> 837						
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cgaaaatgga	agatgtagac	conagtcctt	nonccagat	ggacagagac	aggatncatc	120
tcacatgaac	ctntacagag	atggaatg	gagagcactc	tggcatcc		168

<210> 838
 <211> 382
 <212> DNA
 <213> Mus musculus

<400> 838						
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atgtccgcag	aggaggtagc	caatgggaaa	aaatctcact	gggcagagtt	agagatctcg	120
ggtagagtgc	ggagcittaag	tacatcactc	tggtcattaa	cacacttgac	agcactgcac	180
ctaaatgaca	ataaccttgc	tcgcattcca	cctgatattg	ccaagcttca	taatctgggt	240
tacctggatc	tgtcatccaa	taaactcaga	agttttaccag	cagaactagg	aaacatgggtg	300
tctctcaggt	gaggaaacat	ttcattatat	acaattacaa	atttatcaaa	taaaaaactt	360
atgggatgct	taaaaaaaaa	aa				382

<210> 839
 <211> 231
 <212> DNA
 <213> Mus musculus

<400> 839						
aagaggtgca	tccatgccaa	gcacggtgct	acatgcatgc	ccatcccagc	actgagagct	60
ggagcaagaa	catggcgagt	ttgaggacag	cctggacctn	ctatcccaga	aaggctggaa	120
atagtgggat	agggggaccc	aaaccacgga	tggtctgaaa	aacaagatgg	aagcagattg	180
cctcccttta	aatggtgcgc	tatgggaacc	ccaaaaataa	aattaaaaaa	a	231

<210> 840
 <211> 336
 <212> DNA
 <213> Mus musculus

<400> 840
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gccgttcagc agcagcagac catttttcaat ccgcacctcg cggaaaccga catcgcaggc 120
ttctgcttca atcagcgtgc cgtcggcggt gtgcagttca accaccgcac gatagagatt 180
cgggatttcg gogctccaca gtttcgggtt ttcgacgttc anacgtagtg tgacgcgatc 240
ggcataacca ccaccgctca tgcataattt caccgccgaa aggcgcggtg ccgctggcga 300
ccttgcgttt taccctgnca taaaagaaac ctggtc 336

<210> 841
<211> 261
<212> DNA
<213> Mus musculus

<400> 841
caatcacccg ttgaggcttt atgctccagn gatnaccctg caaagcaaga gaagatgaat 60
caccacnccg gaatnggttc aacagtctac aacaanagtc caagataacc ctcacctcnc 120
ntgactagtg tgcaggcctg accaagcgag gnacagctga aagtttgagc ccatgtttca 180
ttggaaaata anctgcctgc atctcnctgn gnatcaagcg cctgcccttc gtctgtcatg 240
ncgttttggt ttgcaaagcc c 261

<210> 842
<211> 168
<212> DNA
<213> Mus musculus

<400> 842
ctgctgcctt ttctgctcct gaagccatgc tcttgacagc agcggcctgt ggtgacagta 60
gtgagacctg cttatcaggg tgtactaccg ttttgtcatt caaactnaat tacnccaatt 120
cagttgtnta ataactcaga aggcatancc atatttttga gtattgtg 168

<210> 843
<211> 147
<212> DNA
<213> Mus musculus

<400> 843
atgcaagtac ctgctcactc cgcccttctn tcttaencac ccaggccccc caaccctaag 60
ccaacttgag tccccactct gtcaccttga ttccaatgaa gatgggtgtg atttctnata 120
ctanaaataa tagcgtctct tgttttg 147

<210> 844
<211> 102
<212> DNA
<213> Mus musculus

<400> 844
ctactgcaga cccggcccn caagcncnct gactgaaaag cngggcatcc gngtntctga 60
gtntcttanc aataaagnga aatgcaatct taaaaaaaa aa 102

<210> 845
<211> 172
<212> DNA
<213> Mus musculus

<400> 845
agactgagaa atgactgcac gactgagcaa cctcngaggc agngtcatca atgangtagt 60
cctgagtttg cttaagatac atgtggccct acctcatcct ggaggctggg ggtgcccttc 120
agcactccac actccgtttc aataaagaat aactaaatcc caaaaaaaaa aa 172

<210> 846
 <211> 106
 <212> DNA
 <213> Mus musculus

<400> 846
 gactgaggat cttacttgcc ttggctagcc tggaactcac agagatctgc ctgcctcctg 60
 ccttcccagt tgctagtatt aaaggtgtgc accactaaaa aaaaaa 106

<210> 847
 <211> 160
 <212> DNA
 <213> Mus musculus

<400> 847
 ggcgctccacc atgaccanca gangctgatt tttgccggct tgccgctaga aaatggctcn 60
 cactctctct gattactaca tccatnaacg agttaacacc tgcacctgnc ctacnctna 120
 ggggtgnnta ttaatnattc aggagctgca ttactactgg 160

<210> 848
 <211> 140
 <212> DNA
 <213> Mus musculus

<400> 848
 ggatccatgc ttgggtctgg ctttгнаааа аааааааа аааааааа аааааааа 60
 ntgaacatct atcagggcgt gctcaaagta tcttgctgct angagtggcn ggaangtatc 120
 gacggaggggc gaacactcca 140

<210> 849
 <211> 330
 <212> DNA
 <213> Mus musculus

<400> 849
 gagactgagg tcccagtact ganntgataa cntagtctta caacccaacn agaatacnaa 60
 cagtttnnaa aaanocctgn cnttgngan ctctaanant ttgatccagc anccaggcag 120
 gatacacttg ttggcccaag gtcccnaact tatacagang aggactgcct ggnctggact 180
 catggangna cgacactcct aatccttgag agacttgaag tcccagggat tggggagggc 240
 ctggcaggat gttgttgaat gggtgtgggt gtnaaggccc cctttattga aaatgtacca 300
 aagggtcggg atatgggatg aaaaactgtt 330

<210> 850
 <211> 141
 <212> DNA
 <213> Mus musculus

<400> 850
 tagaaaagcc ttggctgttt gccacngcc tctggaccac tacgactttt tggatcaaat 60
 ctcaaggagc tnganggang atgancgttn cnagaanant cnnntccact gttttgcaag 120
 aagttacaag ggaggacctt a 141

<210> 851
 <211> 122
 <212> DNA
 <213> Mus musculus

<400> 851

ctgggacctt	gaatttaant	tctccctatg	antanntgga	tgetganncc	gtgaaaagag	60
ctaaaatgaa	ccagacctct	gcgtgtgact	attaaaaacc	ctgaaaagtc	caaaaaaaaa	120
aa						122

<210> 852
 <211> 343
 <212> DNA
 <213> Mus musculus

<400> 852						
gctgggaaca	ggggaagaca	ctctnctac	cganggctna	ttntggttggc	tgngaagaag	60
agnggggaatg	ataccttggg	nagaaagaan	cttgaagctn	ctggccagag	gacacttgcc	120
tttgaggagc	ttcgnaggca	gctaganaan	ctgctgaatg	acggnggcag	caatnaaccg	180
tgtgttcgac	tgganggaen	ncccaacctt	aaatgagcca	gcaggattag	ccagtccant	240
taccatntag	tttnggagcc	ccttcatgga	caaacctgt	cctgtttant	ttntgcaaat	300
tatcttttga	agactccctc	ttccgaaggt	ggggatttgt	ccc		343

<210> 853
 <211> 336
 <212> DNA
 <213> Mus musculus

<400> 853						
gccgagaggc	tgggctgagc	tggagggaaat	ttctagcana	nggccacaga	ngttgngcat	60
ttgntggctg	nnnanaaggt	gnngaattatc	cttnggagaa	naatcctgaa	gctnctggcc	120
agangacact	ttgcctttga	gggancttnc	gtangcaanc	ttnanaancc	tgctnaaatg	180
naccgcgggn	atgtaatcaa	cccggtgtgc	ttcgacttgg	gatangaccg	ccccnaccct	240
ataattgaag	ccagccanga	ttagccattc	caaattanca	ttttattntc	ngaagcccc	300
tttatttgac	naacctggnc	ctggttttatt	ttcttg			336

<210> 854
 <211> 167
 <212> DNA
 <213> Mus musculus

<400> 854						
aagggtgggac	aggagnatc	actctgncaa	tnaanctgan	nntgcggaaa	ggaanagaag	60
ccacaccaca	ccaccagagg	gtttttttga	tgcattttctc	tctatggagc	tcaactatat	120
aacgtaaggc	agcccaatac	atgtgtgtca	ttagtgaaaa	aaaaaaa		167

<210> 855
 <211> 348
 <212> DNA
 <213> Mus musculus

<400> 855						
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gntntgaaag	cttgnnangt	gtcnacagag	tctcatnga	ntctgcctan	ncanagggaa	120
tnnatccngn	ctnttttttt	gcccagattt	tgattggctc	tatttgctg	aagagaaagc	180
tgttccggat	cangcttcaa	ggagcacttc	agaaacatct	ggtaaatattg	tcagaccagg	240
ngaaccccca	acanaanatg	tgtcanactt	ggtntataac	anaatganct	ggnagcaaga	300
tttanaatgn	gcaaccacca	ggctttcaga	aactagacca	atggaggc		348

<210> 856
 <211> 238
 <212> DNA
 <213> Mus musculus

<400> 856
agcagggtgct gtcacctggt cacctcacac attgaccaga gtatcacgct gaaaagtgat 60
ctcatttcttt catggatgcc ancatgaaga aatcatggga ttttggtttt tttaaacaaa 120
ancattgnat attanntttg cttttcttct tcaagtctca acacataato ctggctgacc 180
taaaagctca ctggnggaac ccagggggac ctttacnttg ggggactgga gggggcct 238

<210> 857
<211> 269
<212> DNA
<213> Mus musculus

<400> 857
caccttcccc cagccactgg ntgaaatcct cagtggttat tcatgaacac gcacccacca 60
tgttttatgg gactcagtn gactcagtn atcatgtctc ctcccaccaa gaataagctg aagcgacaga 120
gccagctcct atccacaatg ctgtcccgga cactgagcta caaagtattg agacctggat 180
tocaccttct gcagcctang tgccagtga gacccctcag agctcttcac gcanctcttn 240
ggcccccggn gtctcaagg tcgtttgga 269

<210> 858
<211> 192
<212> DNA
<213> Mus musculus

<400> 858
gggcttacct cagcatgtat gtctgtctca ctgacatcac tctgccaato aagaccttgg 60
aagcagccaa aaactgcagc ataccaccag aagatttttt ggtgcatttc tctatataga 120
atcctgacaa atgcagctca actacacaat gtaagggtga ccaatataac cgtattgtta 180
gcaaaaaaaaa aa 192

<210> 859
<211> 208
<212> DNA
<213> Mus musculus

<400> 859
tgactgtgtt ggggcatgga gtaccatacc gtccctggaat gccttgccca ggggaagaca 60
gtgagtgttc taagtgtctt gcacacttat tactcacagn ggaaaactaa gaactttttg 120
ttttggttta ttttttgaga caagggtttct ggctgtcttg gaactctott tctaagacca 180
ggctggcctc cacctctcaa attggctg 208

<210> 860
<211> 427
<212> DNA
<213> Mus musculus

<400> 860
agactgagaa cctgctcaag ccgctgccat ggatcccagg ccactacctt ctttcaagca 60
anaanaagtt ntacgaatgt gggcttnttg acaccggaaa caaagtgggt ggcagtgggtg 120
ggcccgcgcg gtggactgtc tgaagctatg gctcatgttg aaggcacagg gtgggcaggg 180
gttgagcgcg cgcacgcacc aggcctttgc tctcaccggg tggncntgt gctcnaggan 240
cncatggtga agaattggac catgacnann nggtaccaan cncatgggac ccggccnanc 300
tttttnccaa tggngngngn caaccccata ctggccnagg cccanataaa tntccttctg 360
ggcaaaactga aactcctggg ccaggacctg tgaactgctt ttgntttttt ggcccaccca 420
aactttg 427

<210> 861
<211> 306
<212> DNA

<213> Mus musculus

<400> 861

cactgaggat	gacacacgag	ttgtgagagt	gaaggttata	agctggcata	ggcctggcca	60
agaaagacat	cttggggagcc	aggtttccct	gggaactgcc	tgtgaccaac	tccaggggat	120
ntggcgccct	ctcctggnet	ccacaggcac	tgcncacatg	nncacacaac	ttaaattctt	180
ttaaagaaga	aatgtttaaag	caggtttaaag	ctcctgggtga	agagaaaagga	aaagaccatc	240
nnaagtgata	aatacctgga	atctacagat	gctttttttt	ttaattaatt	aaaagtttta	300
tttttg						306

<210> 862

<211> 101

<212> DNA

<213> Mus musculus

<400> 862

actgaggttc	ccagagtcta	cottgtgaaa	tgttttaggc	taaagaagag	tccagcaaca	60
gctaactgag	agacctgaat	aaaagggtaa	attaaaaaaaa	a		101

<210> 863

<211> 133

<212> DNA

<213> Mus musculus

<400> 863

cattgtcaaa	attctagaag	acattgaang	gcatgaaaga	aggcntattg	gaganaaacc	60
ctatgnaccg	tnatcaatgt	ggnanagcct	ttgcatgtta	caatcatctc	caaatacata	120
agagaacaca	tac					133

<210> 864

<211> 196

<212> DNA

<213> Mus musculus

<400> 864

cttgccctgc	tcaagtcctt	acggaacaag	cgaggcccac	gtgctgctga	aggatcggtg	60
gctcctcttc	ctggaagncn	gntttctcct	agcactctnc	anatgaanac	gtanaacnnt	120
canctctgnc	tacatcatgc	ctgcctggat	gctgncatgc	ttccaccttg	atgatggact	180
gaacctctga	acctgt					196

<210> 865

<211> 633

<212> DNA

<213> Mus musculus

<400> 865

ttagactccg	ttagtgccct	gctaagngaa	gatgnattaa	actgcaggt	gnacaaccaa	60
cgagtcaagc	atntctgcta	ctaccacggc	atgaagccct	atctatgcta	ccagctggag	120
cagttnaatg	gccaagcgcc	actcaaaggc	tgcctgctaa	gcgagaaagg	caaacagcat	180
gcagaaatcc	tcttccttga	taagattcgg	tccatggagc	tgagccaagt	gataatcacc	240
tgtacactca	cctggagccc	ctgcccacaa	tgtgcctggc	aactggccgg	cattcaaaag	300
ggatcggtcca	gatctaattc	tgcataatca	cacctcccgc	ctgtatttcc	actggaagan	360
gcccttccag	aaggggctgn	gttctctgtg	gcaatcangg	atcctgggtg	gacgtcatgg	420
acctcccaca	gtttactgac	tgtctggacaa	actttgtgaa	cccgaagg	cccgttttgg	480
ccatggaaaag	gattggagat	aattagcang	cgcccacaaa	ggcgggttca	caagatnaaa	540
gagntctnng	gtcttgcaaa	tttgggtgaat	gacttttgaa	acctncagct	ttggaccccc	600
ntgtcttnag	aaggcaagaa	aataatttaa	gaa			633

<210> 866
 <211> 303
 <212> DNA
 <213> Mus musculus

<400> 866
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 atgattgntn caanccctaa gccncgctg natgtcctgn cctnaagang anccctgata 120
 ctgctaaatn cctgctttac tgtgnnnnng ccaaaagaaa aanttccact gccccatccc 180
 tactgctgag gtgcatttcc nctaccccat tcctcctgct gagaagaact tccntttng 240
 cttgggcatt naaacnttgg gcttgntaa tacantgggg ccttgatgct agtaaaaaaa 300
 aaa 303

<210> 867
 <211> 103
 <212> DNA
 <213> Mus musculus

<400> 867
 caaaaagata tcttcntagg gatngaccaa gtaatactgg agagaaaccc tttgaatgnn 60
 ttcaatatga nggagccttt gcnagaaacc atcatcatca gtt 103

<210> 868
 <211> 375
 <212> DNA
 <213> Mus musculus

<400> 868
 tggttccagg attcgggtca naatgacgtc angagaaggc anngcngggt tttcntnttn 60
 aggccatgtn ttcctacacc gctcgcaggc aggaatgttc tcacatggga ctttctnca 120
 gancagatca ngacgaggac agaggagctc atagcacaga ccaagcagggt gtatgatncc 180
 gtggggacaa tcancctgga ggatgtatct tacganaact gtntgcagggt gctggctgac 240
 atacaagtga agnacataac tggaaaggac catgctggac ttccctcaac acgtgtcgtc 300
 tgacngagaa gtgcgggctn nnagcncaaa agcggacaaa aggetttctn gntttgatat 360
 tgagatgagc ctgaa 375

<210> 869
 <211> 359
 <212> DNA
 <213> Mus musculus

<400> 869
 ctgaggagaa gatggagggg ctgaaagaca agaccctgca ggagctggag gaaatgcaga 60
 atgaccacaga agccattgcc cggctagcct tggagtctcc tgagggttcag gacctgcagt 120
 tagaacgaga gatggcactg gccacgaacc ggagcctggc agagcaaaac ctggagttcc 180
 aaggtccctt ggaaatcagc ccgctctaac ctctcagaca aataccagga gctgcggaag 240
 cttgtggagc ggtgccagga gcagaaagcc aagctggaga aattttcctc ggcaactgcag 300
 cctgggacct tgttggacct tctgcagatc gaaggcatga agatcgagga ggagtctga 359

<210> 870
 <211> 426
 <212> DNA
 <213> Mus musculus

<400> 870
 actgagtggc cagaaccccg ttcccagtga gaagcttcca gtgcctgaca gtgtgctaag 60
 tatgttcccc agcacagagg aagggcctga ggacgacagt gcaaagcatg gcggctgaat 120
 ccgaaccttt ccccatgagc ggggcaactg ggccaccac atctacatac cgtgtgagtc 180

actgactaaa	gtgcctctag	ctctggctag	gaggaagaca	ccagggctgc	tgtgtgctgg	240
actcanctcc	caccgcanac	ctgaggagac	aatggaccgc	ctaactgctg	aagtagacct	300
tctgcactg	ggtgttntgt	cagctactgg	gtgnntcatt	tctgcacctc	taaagtgggg	360
gggatgctat	ctatctcttt	ggaaagatta	aatcagataa	tctatgccna	ttagcccaat	420
togcaa						426

<210> 871
 <211> 616
 <212> DNA
 <213> Mus musculus

<400> 871						
actgagaagc	aagaagaaac	ctcaagaacc	tagctcagat	ctgcaagata	agaacgagga	60
gcaggagaag	tcctccagtt	gcacaggggt	attcaaaggt	ggaccattct	ttttctgtct	120
gacctgtggc	aaatgtttca	aaaagaacac	cttcctcttt	aatcaccagt	ttcctgtgag	180
gtcccggagg	ctggcagtca	caaatccaca	aagccgcaaa	ggcaagggt	acaaggctca	240
gcategtgga	gagaggcctt	tcttttghta	tttctgtggc	aagacttacc	gtgatgcttc	300
tggactgagc	cgtcccggga	cgtgctcatt	taagttatag	gccccgttca	tgccctgagt	360
gnggaaaggg	gttcccggga	tcaagctgag	ggcaaccgcg	acctgaaagg	acaccaaaac	420
aaagccagca	gctacaacca	ggctggcaac	caggctacaa	ccagaggntt	gaagaagagg	480
ggtccacctc	cacacctaaa	tccaagcgcc	cgctctaaat	atttaaagtg	atccccggac	540
catggcccag	gctaagnacc	gaaaacggac	ctcanccctg	atgcagatca	cttntttcag	600
gggccttaaa	aaaaaa					616

<210> 872
 <211> 331
 <212> DNA
 <213> Mus musculus

<400> 872						
tttgcaagga	tggaacctgn	ctgttgcaag	ctatgnactg	gagtgtgtgt	gcagccgctg	60
ncntntgtgc	tactgcctct	tattgacgca	gatgaaatat	tgatgtgtgt	gctgtgtggt	120
ggagcccagc	cagcccgggc	caggggtggg	gcagggaagg	cgggccaaag	agaaggcatg	180
cctcacgggg	ataccagcga	gcaggggccc	ggcccctact	ggctctattc	tgccctgctg	240
actcttggtg	gccccgggg	agggagaanc	gtgttggaag	ctggacatat	cctaatactat	300
cattgcacct	cattcatcct	tggaaaaaaa	a			331

<210> 873
 <211> 115
 <212> DNA
 <213> Mus musculus

<400> 873						
tccagcttct	cctgcgccat	acctgcctgg	aagctccgag	gcttctgcct	tcataataat	60
ggacagaaac	tctgaacgtg	taaaggagcc	cctattaaat	gttatccctt	ataaa	115

<210> 874
 <211> 111
 <212> DNA
 <213> Mus musculus

<400> 874						
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ccggcagacc	cgcttcattg	tcttcgtaca	gttccccac	aatgccaccc	a	111

<210> 875
 <211> 189
 <212> DNA

<213> Mus musculus

<400> 875

agactgagac	agggtctcat	gtcgtcctgc	tgagagccac	ttcatcatgt	anctgagggc	60
gaccttgacc	ttcctgctgc	cttcacagtg	ctgggaacaa	gtcttccatc	actcctggcc	120
tgaaacgttg	cctctgatcc	tagcaccatc	atagagtaat	gaaattcata	taaagtgaaa	180
aaccgacta						189

<210> 876

<211> 177

<212> DNA

<213> Mus musculus

<400> 876

tatatattcaa	aaataagcct	gaacacacca	cctggcacaa	nagtgaagct	ctctggcact	60
gtnggentta	aanaacngat	tcctgctctt	aagtgaactc	taacaccaca	gntcttgggtg	120
gtgaagngga	acacctaatt	gacaagtggg	ctttacanag	aagcttatta	aagcata	177

<210> 877

<211> 121

<212> DNA

<213> Mus musculus

<400> 877

tccactacca	acattgctgg	acattttcaaa	tgatgaagtc	tcctntgggg	gctnngtcaa	60
aanccttttc	ccaantccnc	aaaaantccc	ttnaaaaatt	gnggaacccg	aacccttgtc	120
c						121

<210> 878

<211> 106

<212> DNA

<213> Mus musculus

<400> 878

gactgaggat	gaaggcttct	ctgctctagg	ctttccctca	gaccctgaag	acatctgtnn	60
ctcattttcc	atctgcccc	ataaagaagt	ttctatgtca	ggcaaaa		106

<210> 879

<211> 434

<212> DNA

<213> Mus musculus

<400> 879

ctgaggggaaa	gacacctgcc	taagatcaca	gggtcaaacca	ggcatgggtg	tttatgcctg	60
ttctccaaac	attaaggaag	tanacgcagg	aggatccgag	ttcgaaacca	gctctgaatg	120
nacagagaat	tcgaggccag	ctgggcctac	aggaccggtt	tctcaacaac	caaccaacca	180
tggaaccag	agaaactttg	atcctcagag	agatctanaa	gcctgctgaa	gcctgcaagc	240
aagcctacaa	cctccctcaa	gcttcctcgc	cctaaaccgg	anagtcaccc	cctgagcctc	300
cttcctgctg	gggaacccac	tccttgggtc	gnagtctcca	aatgaagaaa	ccggaagagc	360
cagagccgac	tgangtgngt	ncatgaacat	gcgcaagcct	tcgngcgggt	ggnttaactt	420
ctggtttttc	ccaa					434

<210> 880

<211> 191

<212> DNA

<213> Mus musculus

<400> 880

tttgctactt	aaggtaccaa	gtacctggct	ccgtgcattt	cacaggcnca	gtgggcanag	60
ctgtaagcta	cattcaggct	tnccttggca	cttaaggant	ttccaattcc	ttgcctgcct	120
ttaactgggg	aaagctocan	caatctntgg	aaggttctct	gggcaaata	ctactgctgg	180
gaggcattca	a					191

<210> 881
 <211> 314
 <212> DNA
 <213> Mus musculus

<400> 881						
ggcatgaaag	aactcntgct	ggnagaaaac	cctatganta	tgcncatang	ggataaatcc	60
tncatatgtc	tcntcatct	tcaaaagctt	gatngaaacc	annctagaga	cagacactct	120
gaagtctttc	nccatagtna	agtgtctgcg	gtgtcgaagt	cctctccana	tnnataaagg	180
aacagacact	gcncataaac	cctacaaaat	nantagctgg	gaacgattgc	tttttttnnga	240
cccagacactc	tgatgtcttt	nnacatagna	aagtgtcttg	gtgtcaangc	ctcttgcaaa	300
taaataaagg	aacc					314

<210> 882
 <211> 356
 <212> DNA
 <213> Mus musculus

<400> 882						
gcaaaggggg	agggctgaat	tattcacccc	ctttttaaac	aagaggggtgc	tctgcagctt	60
cgccactcc	agagccatct	ttgatcctaa	gttgccaaaa	tgactgaacc	atcacagaag	120
aacaactcca	ctcaacagga	gctcactaac	cacttgtttc	cagagaaaag	cantcagatt	180
ggacagaagc	aactgcaaca	gatngaacgg	cagntaaagt	gcttggcatt	tnaaaaccct	240
gggacctcag	gtgggnnnga	tttttaaccc	ncgaggacat	ggcaggtagt	aaaaaggaat	300
anncggcgg	atngttncaa	gcatngaagt	gagctacctt	ttttcctgtt	gaaagt	356

<210> 883
 <211> 404
 <212> DNA
 <213> Mus musculus

<400> 883						
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ctccagagca	ccagagagag	cagagcttga	gacagcagg	gcctccatct	tctctgctgc	120
ccacagggca	ccttgctgtc	cccacaaggc	cagtgggccc	atggagggat	tgtgcagagg	180
ctcacggggc	aggtcactgg	cagagtggag	tgtatgacct	gcggctgggc	cgctcgttag	240
tagccgtgtg	gtgtgaacag	cagcaggaag	gtggaggctg	gactgtcatc	caaaagacgg	300
caggacggct	ctgtcaactt	nttnaccaac	ttggcagcac	ttacaaaagg	gggctttggg	360
cgtccagaan	gaaaatactg	gctgggcctg	gaacctgtgc	atca		404

<210> 884
 <211> 217
 <212> DNA
 <213> Mus musculus

<400> 884						
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cagcttcccc	tgctaggagc	cgtctttccc	agaccgcggg	gccagcctgg	aggagcaagg	120
aacagcagca	atgtgaccga	caatttggtg	tcaaagaacc	tcagctgggt	gtccgtgcag	180
ccccagaacc	cagagtgtg	gacaaggagg	ggtgtgg			217

<210> 885
 <211> 376

<212> DNA

<213> Mus musculus

<400> 885

ggcctcgaga	ctatcatgga	gggctccccg	ngcnaaggcc	tgtacttctt	tgngtncgna	60
agctgcagtg	catttgtggt	gactggggtc	ctgctgattc	tcttcagcct	caaccttcat	120
atgaggatcc	cccagatcaa	ctggaatcta	acagatttgg	tcaacactgg	actcagcact	180
ttctttttct	ttatcgccctc	aatcgtgttg	gctgctctaa	accataaaac	cggagcggaa	240
attgctgccg	ggatatttgg	cttcttggca	acagcagcct	atgcagtgag	cacattcctg	300
gccatgcaga	aatggagagt	cagcngtccc	gccagcagag	cactaatgac	tacatccgaa	360
ctcgcaccga	agtoga					376

<210> 886

<211> 171

<212> DNA

<213> Mus musculus

<400> 886

agactgaggg	ctgaactgaa	aaaggatcaa	aggcgtctaa	aacgtctttg	gagccccctc	60
tgaatacatc	tgatggtgta	tacgcagcta	acagacattg	ggcgcaacag	aactaatcga	120
ctgtgtgatc	ggttatgcca	ttaaattctt	tctagaagct	gaaaaaaaaa	c	171

<210> 887

<211> 236

<212> DNA

<213> Mus musculus

<400> 887

cagttcctgc	agcagcttaa	catcttggat	tataagcatg	agactcaaca	tccagcttga	60
actctccatg	ctcactgacg	tggataactt	cttcaccgca	gcaaccttca	agaagggtct	120
acagaaaatt	agcattagtg	taaatttcag	taatgactga	ttaactaaat	atatgtttac	180
cagaattatc	aaacttttna	aatnaanagt	cataccatca	aattgaaaaa	aaaaaa	236

<210> 888

<211> 384

<212> DNA

<213> Mus musculus

<400> 888

gaggtggggt	ctttcaagaa	gcacaggatg	tcctcctgca	actgagaaaa	gaatgctact	60
accttacttg	tcagctgtat	gcattgaaa	agaagctaac	ttcccagcaa	agtgaagaaa	120
cgactcagng	ctgcaaaangn	nattngggaa	naaangtgaa	gatttgnggc	cananacatn	180
attgnntttg	ccgncggttg	atacaatcct	gangagctga	gtncantcat	tgggactnnc	240
cgngctggaa	agagaactgn	nontctnnc	cccacnnaaa	gaagctgnnc	tctgatctct	300
atgcatgctt	cctcnggcct	ccccccaaat	aagtaaataa	tgtttttaaa	atgtatagac	360
aaagaagaag	aagtttttaa	aagc				384

<210> 889

<211> 380

<212> DNA

<213> Mus musculus

<400> 889

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ggggaaggcg	cagatttggg	atthtgaact	tctgacgctc	tcgccaggaa	aaggtgcgct	120
ctgtgtcagt	gtatccacca	tgtcgggctg	gcagtcctaa	gcagccaggc	ttcaaaagga	180
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acacagcgaa	gtacctgcac	ccatgatgaa	gcagtttaat	gctttaatgg	aaatgcaaga	300

ggtgatgttt gcagagatga gagaaaccta taaaaacgat ataaaggaaa tgcttgtaa 360
aacgaacagc accttgggtg 380

<210> 890
<211> 328
<212> DNA
<213> Mus musculus

<400> 890
acactgagtg gcaaagtgt aaccacaccc tctcagcagg atcccgcgcc tcaagagcct 60
taggtcccgc cccacactcc ctcaaaccct cagtgcagcg cttgttgtca ggcgcaatct 120
cgcatgtatc cggngaggcn gctacgtnga gctccactng gnccaaaag tacctgcaag 180
cgctncacan ttgcgctcgg cnccttgtct ttgttctnac tttccgagat atccactgca 240
tcttgagtcc tgcattccact cccgggaggg ggctgcggca agctcngtna tggaaanaaa 300
gagcgtgata agccagctag acaggtgg 328

<210> 891
<211> 165
<212> DNA
<213> Mus musculus

<400> 891
ctgaggaccg ctgggcagaa tgtcacgatg gatgaggggg gcctgcccct gctccccgac 60
agncttgtct accanatctt cctgagtttg ggcnnnnna atgngntggc tactgggctg 120
ttataccatc aanggcaagc tgagtcngga atgagttctt atggc 165

<210> 892
<211> 383
<212> DNA
<213> Mus musculus

<400> 892
gaaactgagc atctgcccaa gaaaatgact ttccagccct taaatcatgg tttttcaaca 60
tcagcaaagt gcttaacgcc tcctccttca aaagataatg ctctgcggtt gaacattgag 120
gacctcatag agaaactgca ggctggagtg atggtaaagg atcagattag tgatataaga 180
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aggttacaag atctcctgga agcaaaaagcc ctggctcttg cacaggctga cagactgac 300
gctcagtatc gctgtcagag aacgcaagca gagacagagg cacgaacact tgcgggtatg 360
ttacgagaaa gttgaaaaaa aaa 383

<210> 893
<211> 122
<212> DNA
<213> Mus musculus

<400> 893
ctgggcagac ggccataatn gottactngt gnaactctna tgcggnacgg ccaaggcaga 60
acagactnta nnaaagaanc ngngataatt caggccaaga ngagaaaaac agcacaggat 120
gt 122

<210> 894
<211> 147
<212> DNA
<213> Mus musculus

<400> 894
acagactgag atggacagtc tgaggctgag agagggctag tgatttctcg gacacttggg 60
cagtagnacc nataccancc ngtactnngg gatncgangg cnntggagag ggngctgcaa 120

cagcccccttg agacgaatac cactctg

147

<210> 895

<211> 455

<212> DNA

<213> Mus musculus

<400> 895

atccgaaaagt	ggaacccccnn	ttagcgcgcg	ctncacctac	aagatgaact	cntaggcgaa	60
gaaacnctgt	ggtactgccc	actnccccg	cnctccccc	ggatggagca	anattctgga	120
ggacgtgca	ggggcaccg	ctcaagatcc	tgttttcact	gccctggccc	cggaagancc	180
cccagaccca	tncccaangg	ctgaggactc	tgagatccat	gncntgagcn	gatcttccat	240
caganccggg	cctaccgtgg	ctatanaatg	agaggctngn	ggttcncggg	ggaagctntg	300
agacagaagt	acgantggcc	tttngcanaa	cttggatatc	cggctngaag	naagataatc	360
antcccnct	tgnacattct	gccanccncc	ctanatgcct	taaggtttac	anccgtagat	420
tggtntcttt	ggtacncaag	agcccttggg	catcc			455

<210> 896

<211> 270

<212> DNA

<213> Mus musculus

<400> 896

ctgagattac	caaagagttg	tcagctgttt	ccaaggtcgc	cgtgggaggg	ggaggatgga	60
gagatggagg	aaatccctgc	tgctgtcgca	actgggcgaa	cccacaggcc	ttggcagctg	120
ggggctgcag	ctggtgacct	tggccacagg	cactgactgc	tccctgtccc	ctcaggacct	180
accccatccc	cagccacacc	actaccgtga	ttcctccaaa	gatccaaaac	tttaattaaa	240
aaaaagtctt	ntaaaaccga	aaaaaaaaaa				270

<210> 897

<211> 308

<212> DNA

<213> Mus musculus

<400> 897

gactggatga	ttgtggtctc	ctggacggac	tgccgagcca	ctgaattaca	cccatottct	60
ggccacacta	cagaagttgt	ctatggagtt	gaaatgttta	ttgcagtaac	ctctgacctt	120
atgtgattta	aggaacngnn	ntcctgagat	nagaactgnt	nngccnngaa	gancaangag	180
aaaacacggn	agccgctgtt	gancggttca	catttgangt	caantccaen	cctaccaaaa	240
gcacgttngn	tgtgcacaga	nagantttcg	gggggtnatt	tgntggangt	gttcagtgtg	300
tgctaagc						308

<210> 898

<211> 171

<212> DNA

<213> Mus musculus

<400> 898

ctgggtatct	agccagcttc	caggaccagg	tgattggaaa	cctcagtgat	ttgaactaag	60
agccaacaaa	gccttgggtt	tgtggcacac	tcttcacatt	ctttgcacag	ctctttttgc	120
tgttaaaatc	tgactggat	ttttaaaaat	gaagcaattg	aaaaaaaaaa	a	171

<210> 899

<211> 270

<212> DNA

<213> Mus musculus

<400> 899

ttagggacat	cacataagga	cctncancct	cagtctngga	ctgtacgtct	nctaattgtga	60
ggaagaatat	tctctgctgg	cttntatcct	actgacactg	ggggttganc	tgcccttgnc	120
tgaccattct	tttatnngct	ttatgttnnn	tntaaaacaa	acttttatnt	gnntctggan	180
antataaaat	aacaggccnn	ggaggncnag	cangccttg	aatggacatg	tgaattattg	240
tcttgcatga	atgctctacg	gccaccactt				270

<210> 900
 <211> 339
 <212> DNA
 <213> Mus musculus

<400> 900						
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ccggcggaac	ccccttgac	tcacctctgc	acacgcctcg	agccagccct	acggggaccc	120
caggaacgac	gccacctccc	agcccaggcg	gtggcgctcg	gggagccgcc	tggagaagtc	180
ggctcaactc	catccgcaac	agcttcctgg	gctcccctcg	cttcaccggc	gcaagatgca	240
aggtcctaac	cggcngagga	natgtccagt	ttgacaccag	aatcttntcc	ttgagctggc	300
aaaacgctcc	tgggttcggg	aatttcactc	tcttaagaa			339

<210> 901
 <211> 387
 <212> DNA
 <213> Mus musculus

<400> 901						
gactgagctg	tacggttctg	tgaccggngc	catctaata	agccagaccg	ctgccatcac	60
tgttctgtct	gtgccatgtg	tgttttaaaa	atggaccatc	actgcccattg	ggttaataaac	120
tgcatgggat	tttccaacta	caaattcttc	cttcagttct	tagcttattc	ogttctctac	180
tgccgtgata	ttgctacaac	agtcttcagc	tacttcatca	aatactggag	aggggaattg	240
cccagtgttc	gctctaagtt	ccatgtcctc	tttctcctct	ttgtggcctg	catgtttttt	300
gtcagccttg	tgattctctt	tggttaccat	tggttggttg	tcagcagaaa	caaaactacc	360
ttanaggcct	tctgcacacc	agtattc				387

<210> 902
 <211> 148
 <212> DNA
 <213> Mus musculus

<400> 902						
ggggaactct	caaaaggaac	ggacgggaan	catggctggt	catcatatan	tgactgcct	60
cgnanncnan	gaattacggg	ctcggtaaac	ganatttttg	ccctcctcct	tgagtgtatc	120
ttatgggcag	nggttgaaa	aaaaaaaa				148

<210> 903
 <211> 273
 <212> DNA
 <213> Mus musculus

<400> 903						
aggactgtgg	tcggcanaca	tgctaggaag	accacagggt	gccaccctgg	tggacgccct	60
gggaagtggg	gagagccaga	gatacctggt	agtctccgga	gatccatcag	agggaccgag	120
ttctgttggt	gaagcagaag	tttcccccctc	caaaatcatc	taattctttt	gcctgcttgt	180
ggaagacacg	aaagggtcac	gtgtgtctgg	tttctgtttt	gtgtgntttt	gngtatgtgt	240
ttaaaagcta	tgtaaaaatc	tagagaagcg	aaa			273

<210> 904
 <211> 225
 <212> DNA

<213> Mus musculus

<400> 904

aactgacttt	tttcttaagc	accattaact	cttnccgtn	nagggttntn	ctgnantnca	60
gagccatgca	gaatgtgcta	agcggcaaag	cctganngtc	tccantgagt	gactgtnnag	120
cgagagcagg	atganccctgc	tgcantcagg	angnangtgg	ccnnttgcc	ctgccatact	180
gatccggact	tctctctgtg	tttgtacggc	aaaatatcca	agcca		225

<210> 905

<211> 133

<212> DNA

<213> Mus musculus

<400> 905

agtgtctggct	ttcctggaac	ttgctgtgta	aaccaggctc	tcttggaact	caggagattt	60
acctgtcct	acaggcatgc	accaacatac	attgatgtat	tttatttaca	taaagtttta	120
catatttaca	aaa					133

<210> 906

<211> 177

<212> DNA

<213> Mus musculus

<400> 906

actgagatga	gagactgagg	agcaggctgt	ggggatctca	gccatagtcg	ttggcttcat	60
ggttccagca	ggatgggtct	tagcccactt	ggagagctat	aaaaagagct	ccgcagcatg	120
aagttgcaca	tccctgagag	atttcattaa	acatgtccat	ctgcctaaaa	aaaaaaa	177

<210> 907

<211> 200

<212> DNA

<213> Mus musculus

<400> 907

tgaccgtcat	tgtcaacatn	aagtngatcc	tggncactcg	gagagcaatc	agcgaggcca	60
atgaagnccc	agaaccagag	caagactatg	atgaggccct	aggacgtctg	gagtcacctc	120
ggcgagagg	catcattccn	gggacggtnt	nctggatggt	ttaantanac	tccantagga	180
agcaaagtga	aaaaaaaaa					200

<210> 908

<211> 301

<212> DNA

<213> Mus musculus

<400> 908

gactgaggta	ttgcctgttg	gggtgtagtt	gttctggtag	accccaaagg	gaagagccac	60
ccagttatth	gaaaatacca	gcagttcatt	gttgtctatc	atcactggct	tctgggcaga	120
cagaacaagc	gttgggttg	tggatattcg	ttgcacacac	ggccaaggat	gtacttaact	180
gtaaggacat	accgagaaga	ttgtgaagat	atgagctgtc	attctttggc	catggatgct	240
tacggtttac	cccctctcag	attataaaga	gacaaataaa	ccccttgga	gcaaaaaaaaa	300
a						301

<210> 909

<211> 108

<212> DNA

<213> Mus musculus

<400> 909

ggtaacaatg agagtgcgat agatccatta ataactcatc tgggatatnt gtntcannct	60
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<210> 910
 <211> 262
 <212> DNA
 <213> Mus musculus

<400> 910	
ttgctcagta gctggagtna cagtcngnng ngagctgcac aacatgagtg ctggagaacg	60
aaactttcag tcntntgnna cagcnggnan tactttccag ccacangagc tgtccctcca	120
gccctgctct gcaagcgtng tttttcacgg ttcacccant gctgtgtgtc attcctgntc	180
tgggcgggnt gantagtgat nccattgcat ggatacatc cacgttattt atttatcanc	240
ntattcatgt tatcaatttg at	262

<210> 911
 <211> 121
 <212> DNA
 <213> Mus musculus

<400> 911	
ttagactgag tgctgattat anacctanca acattaagac agaagatntc nggaagggac	60
angaaangaa aatcagaaga ggaagaggat ggtaaaacta aanngcccaa gaatttgatc	120
a	121

<210> 912
 <211> 225
 <212> DNA
 <213> Mus musculus

<400> 912	
cctaggggta ggattccnng cngacngaag accccagctc tntaggactt ccctgggact	60
ctagcaccag atgggactgn ngagacagcc agtcttctga actgaacaac tacngngatn	120
cttgcccttt cantcaggag acagccactg ttgggctgct ataaccacag cctntangcc	180
actctaataa atccnatata tgttatattca ttgtaaaaaa aaaaa	225

<210> 913
 <211> 172
 <212> DNA
 <213> Mus musculus

<400> 913	
attgaacgcg ttttgggaaa accccttgca angggccccg gggacanncg agaggncgna	60
cccgcaaaaa gctngaagag gancggacac ccttacnnng ggagatggtn gcggngntcc	120
cataccataa accacctgcc cattacaagc ctccagcaac acgggcgagc ga	172

<210> 914
 <211> 256
 <212> DNA
 <213> Mus musculus

<400> 914	
atgaggagta tggctgtccc attctacatg aggatagggt tgtcgatgag ttanagcatc	60
aaatgcagga nggcngngng attgaggatt accacgggct ganacttgct tccccggcgc	120
tgattcatat agcggttgtn nnncaaaca atcnggtgcn ttgtatacnc canntctncn	180
gaggggtnat aaggaaaaca agctnctgcg accatnntct gacgtnaggg cttcttccct	240
aatgtatgga ggagaa	256

<210> 915
 <211> 216
 <212> DNA
 <213> Mus musculus

<400> 915
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 acaatcnatt attngtgatn cttatcacgt naatgggaca aatgatttat tggtttcaen 120
 gttncangat antgactgac tatgantccc ttatgctctg caacatctcc ttcctcattg 180
 ccctgtaaat aaagctgagt attttaaaaa aaaaaa 216

<210> 916
 <211> 216
 <212> DNA
 <213> Mus musculus

<400> 916
 tgcactatat tgttggtganc ggttcagcca ccaacactac caatgggnacc natgggaatt 60
 tggngccgggt ancgaccnac anaaggacna gtgtttcgng cngcntenna tagcngcaga 120
 agggcacctt gncggtctac cactgnggat tccatccatc ncagcgcacc tottaaactg 180
 ctgcctagga cagantaata cttgacaata aaagct 216

<210> 917
 <211> 227
 <212> DNA
 <213> Mus musculus

<400> 917
 tccagactgg atggagagac tgacagttta acacttggcc aaggccatat acctggtaag 60
 nggnanagct gctctgngng antccaaagc cctcactttt tgnatntttn tanaantgan 120
 atatgaattn tttcatacaa ggaaaaggan gaataaanct gtggggggcat gaggcnnccc 180
 tgggcngagn ttgctaataca ttnaaccacac catgatgaaa aaaaaaa 227

<210> 918
 <211> 374
 <212> DNA
 <213> Mus musculus

<400> 918
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 gagacctgcg agccttaact taaatcgggtc tccaagcctt agcaacagta acccagatat 120
 atctgggact cccacatcac cagatgatga agttcgggtca atcattggca gtaaggtaaa 180
 ccgaggacat gctatccact tatgagagtt attgaagtat ttgatttatt ctttaatttta 240
 agatgtattt aagttcaaag taagtatgaa ttttttttatt ttacttgagt tagaaaaaag 300
 caaaatattc ctattttgtc agtaaatacc ttacacattt ctattaaata tgtttgctgt 360
 taaaaaaaaa cctt 374

<210> 919
 <211> 228
 <212> DNA
 <213> Mus musculus

<400> 919
 gaactgaggg tagaattgac tggacatctg cctgtgaaga atagagatgc tcagaagcat 60
 gacggcaggg tctcagcaaa catgggtctac tcaccgaaaa agcttgacaga tgctgcgatt 120
 actgctagga gagtctccat gtaccttttg gtactttctg atgctccagt gaaagaccac 180
 ggatgggaat ttcccatgac ccctctctta ggaacaaaaa aaagactg 228

<210> 920
 <211> 123
 <212> DNA
 <213> Mus musculus

<400> 920
 gcctgtcgtc agatgccgcg nnagcggaaa ccganctctg cctagnggag agtcctccgt 60
 catcgngtga cnagcaaacg anaacgaaag ggactggncn tgcnccccgg ggtcgtcaaa 120
 aca 123

<210> 921
 <211> 366
 <212> DNA
 <213> Mus musculus

<400> 921
 agtcttgcta tgcagatctg gccccccngc gtgataattc tcctgcttct gctcccgag 60
 ctggnatgcc aggcctgtnc caacacaccc agcttttgtg tgagtccatc acagttagca 120
 agaccgaaag caggcagctt ctctttgttt gcggttgaa tgcttaacgg ccgctggaag 180
 tgagtggcca gtggattgtg caaagccgat acagagatac agagcacgcc cttccacctg 240
 gcgttccggc cagagagctc tccagacagc acccgtocca gaatgcgctt gcgcaaaacc 300
 agggatgttt gtccggtttg atcattgctg tgtggcagtg tocaagtga gcaactgcaa 360
 taaaaa 366

<210> 922
 <211> 107
 <212> DNA
 <213> Mus musculus

<400> 922
 gactgaggtg gcatccacta gactgaggga gacatccagg taacnccngc cagtggagag 60
 agttcactta ccgaataaaa ctcaagtga ccccgagaaa aaaaaaa 107

<210> 923
 <211> 329
 <212> DNA
 <213> Mus musculus

<400> 923
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 aatacatttg aactgggtccc cctgggggat gaggaggagg aggagaaaaa tgaaagcgtc 120
 ctgctggagg gtagggcagt ctacttaaat ataagccttc ctcttcacac gccgcctcct 180
 cccttnatct ccgaggacgc ctncggatat ctgaccagcc cctggctgac gctcttnatg 240
 ccctccgtgt acacgattgt gttcattgtc agccttcttc tgaacgtcct ggccatngca 300
 agtgttcgtc ttgaggatga aagtcaaga 329

<210> 924
 <211> 204
 <212> DNA
 <213> Mus musculus

<400> 924
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 gccagccacc tagctgntcc ggagctatca cgtgggtcacc tgcaacctta ctccaagatg 120
 atttgccgg aaagggcccc ttccccgtgt tcctaaccga gngtcagaaa tagtaaaatc 180
 gaaccttgat ctgaaaaaaa aaaa 204

<210> 925

<211> 120
 <212> DNA
 <213> Mus musculus

<400> 925
 gaactgagat agccagtccc aagaaaaaac aaccacattg tcagactcct tcctcagcag 60
 agtgagacgt ccacgttggc gagccgtgag atgccaggac ttggaagggtg atccccctgtg 120

<210> 926
 <211> 401
 <212> DNA
 <213> Mus musculus

<400> 926
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 acatttaatt ttgcatgttt atgaattgtg aactttgtgc aaatgtgtgt atggtttgtt 180
 cccaaactgt cgcgtagca acagggtcttg gcactggagg ctgggtccagc ctactgtctt 240
 tttccactcc tgcaaccacc ctgcttcagg ggtccctgag cctgtggtca tttctgcctt 300
 ggggggtcca gctcctaact tgggagcaca cgcgcacgca catacacaca cgtacacaga 360
 ctctgtttctc atccaacagc agatccacag ccttcgtaag a 401

<210> 927
 <211> 407
 <212> DNA
 <213> Mus musculus

<400> 927
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 cctccagttg cagaacgctg aaacacagac tgagagggag gaagaggaac caggggcagc 180
 atcttcaggt cctggtgaag gcgagggtc agaatatggt ggcagtgggg aagatgccct 240
 cagcaggatc cagaggctga tggccgaggg tggcatgaca gctgnggtac aacgggaaca 300
 gagcaccacc atggcctcca tgggtggctt tggcaacaac atcatcgta gccaccgat 360
 tcaccgcagc tcccaaacag gcacagagtc aggggctgct cgtacct 407

<210> 928
 <211> 285
 <212> DNA
 <213> Mus musculus

<400> 928
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 tcacgctcta gtctttctaca caanttaact ctgtgnggca ttgtcctagc tggaaagcct 120
 ttttcttttg ttctctgccc taagcagggg tacctctgga gccagagggt cataangttt 180
 ttctggaaaag gatctagatg aacngagggt ntttancang gggctggaan cnttggnttt 240
 nataaaaaant tgcctttngt ttnaaagaag gcttggtttc aaagg 285

<210> 929
 <211> 369
 <212> DNA
 <213> Mus musculus

<400> 929
 accactgtat aaatgggaag cagcttttga ggctacagcg gaatgtgatt ctcttcgtct 60
 tgggctttct gattctctgt ggattcctgt actctcttca tacggctgac cagtggaaag 120
 ctctgagtgg cagacctgca gaagtagaga agatgaagca agaagtcctg cctgtcttac 180
 cagcgcctta gaaggaaaagt gctgaacaag aagggtttgc agacatactc tctcagaagc 240

ggcaaaggca	ttttcggnng	ggccctcccc	atctgcagat	taagaccccc	caacacagtc	300
tccaaggatg	ggatgcagga	tgatgctaag	gagaagagaa	ncagccctgg	ggaaggctca	360
gcaagggaaa						369

<210> 930
 <211> 416
 <212> DNA
 <213> Mus musculus

<400> 930						
gactgagtca	aggtgaagag	aatgggattg	actgcagcca	aggagacaag	cctgcgggagc	60
ggggcaagcg	ggcccagagg	agaggatttg	gacgtggcag	gggcagaggg	acaggaaggt	120
tctccgctca	aagcatgggg	acattcaatc	ctgcagacta	ttcagagtcc	atgtctacag	180
atggctgttg	gacaaagttg	gcagtttggg	aagctgctca	naatggtaca	gatgagggac	240
cgggattgtg	agtgtgtaca	cacaagctgt	ggagggcaga	anactttccg	ctagtggatt	300
acaagagtgt	actcaggatc	tccggcccta	atggtttgat	caccaatcca	gnggaancaa	360
acttttattc	cttaaaacca	attacntgaa	ataaaaatta	tcataagcat	taacct	416

<210> 931
 <211> 444
 <212> DNA
 <213> Mus musculus

<400> 931						
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gatactacgc	ttcctcagca	gttaccttcc	caggaatcaa	gctcatctac	gacgtggcg	120
cctccttcat	tggcatccta	gtggtctggg	ctggctgctc	tggcctgggt	tttttcaact	180
gtttcttcaa	ctggccactc	gagcccttcc	caggcccaga	ggacatggac	tactcgggtga	240
agatcaagtt	cagctggcta	ggctttgacc	acaagatcac	agggaagcag	ttctacaagc	300
aggtgaccac	agtggggcgc	ccgctgagcg	tgggcagctt	tatgcggact	gccaaggagc	360
aagccgcctt	gcaggagggc	cacaagccgg	ggtggcccct	gggggaccct	ggagggnaan	420
gccacctgat	gctttaacgg	gccc				444

<210> 932
 <211> 174
 <212> DNA
 <213> Mus musculus

<400> 932						
tccaaaaggg	ctggagaact	tacnngnnga	tgagngtgga	gcagagtgat	caccatnatt	60
gcnnaaacca	cgacagttca	agatcccang	actggttcct	gaacagacag	atggatgttg	120
aaggatggga	agtacatgcc	aggtttttgg	ccaacnggtc	tagacaacag	gctg	174

<210> 933
 <211> 103
 <212> DNA
 <213> Mus musculus

<400> 933						
ctctacacta	gacgggagat	gctgccaaagt	gccccagacg	ggatcaagac	tccagtgaca	60
nccataagat	tcnctaaagc	taagacactg	caaaaagaaa	aaa		103

<210> 934
 <211> 184
 <212> DNA
 <213> Mus musculus

<400> 934

gggagagtca	tggcaagcan	gcnccttgaa	caaggacact	acagtnngaa	cncnttcnac	60
tacaancgga	agtcaaggag	aactgaaagt	gnctccnnga	accctganat	gnaaanctga	120
gaagagtgtg	gcgtgcanaa	tgcttcnctg	gatgtttttt	tcctctattc	tcacagacaa	180
ctgg						184

<210> 935
 <211> 324
 <212> DNA
 <213> Mus musculus

<400> 935						
tgaggatcag	accaggttc	tttgggtctt	gtctagagat	gtccnacaaa	acctcaccaa	60
ccaagaagat	caacgggcag	aaatgacccc	accatcacog	tactatccac	agagcaagat	120
ctccaagaag	gatacttatg	acgcagggac	agccacccag	accacgtgag	atgccaggac	180
ttggaaggtg	ccaaccaaga	agatcancgg	gcagaaatga	ccccaccatc	accgtnttat	240
ncacaganna	agatctccaa	gaaggatact	tatgacgcag	ggacagccac	ccagaccacg	300
tgagatgcc	ggacttgga	ggtg				324

<210> 936
 <211> 127
 <212> DNA
 <213> Mus musculus

<400> 936						
ttgaaagcct	ttggtgatna	cgccctccant	nctagacggg	agatgctgcc	aagtgccccn	60
gacgggatca	anactccaat	ggnagnnata	atattcccta	aagctaagac	actgcaaaaa	120
aaaaaga						127

<210> 937
 <211> 218
 <212> DNA
 <213> Mus musculus

<400> 937						
agactgagga	ttggtggaca	naactggcag	tnctctaccn	agcagtncaa	ccccctttgcc	60
agatttnagc	ttccatgtgt	gcacatttag	aaagtgatgg	acagaactca	ccagagngat	120
cctcaacctg	agacaaccaa	cagtgaagtg	tggagagoca	aactgaccca	aggcttgctt	180
agagtaaagt	taacttgggg	taaatgtaaa	aaaaaaaa			218

<210> 938
 <211> 265
 <212> DNA
 <213> Mus musculus

<400> 938						
actgagatct	accagcatg	aaggctgtgc	ttctctctct	gtgcgccttg	ggaaccgctg	60
tggcaatccc	gatgaatggg	agccggtttc	tgacagctga	atcatcanaa	accaagctct	120
atcaccttga	tcaagcagtt	cacgggaaac	annnaattta	tgacagacgc	tangaacctt	180
gcctaactca	tgtggagcag	tcccgtngag	tttacacact	gtactctgaa	attataaata	240
cgggacaaa	taacataaaa	cagtt				265

<210> 939
 <211> 356
 <212> DNA
 <213> Mus musculus

<400> 939						
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ctgagaatca	atngaccctt	tggtgggagc	caagccaccc	ctccttcaca	caaggctgat	120
cagctgatca	tgagaaccaa	ctgacccttg	tcctggccag	acacctgggg	ctgtttgggt	180
ggatccagca	tccaaagata	agccacaaaa	tgtttcaagc	ctgcaactcag	catctgcccc	240
agatgttgg	ccctctctct	gtgctttgat	cattccccct	cagnccctcc	ctatttctct	300
tcactgngtg	cttataatca	ggctttcagc	ttccattaaa	gtagaccttg	acaacc	356

<210> 940

<211> 124

<212> DNA

<213> Mus musculus

<400> 940

ctcatccatg	atcgcatatn	atcctcacaa	cagtaccaga	tagtgggggt	tattacgccc	60
aatctccana	tggtggaact	gaggttcang	ggttaggtna	ctgccctgag	atcaccaggc	120
aaaa						124

<210> 941

<211> 249

<212> DNA

<213> Mus musculus

<400> 941

cctgcctggc	tcttgnnttg	aagacangga	nacttagatc	tacttanaga	aaaaggcaat	60
tctgaagatc	taccatcatc	taatcccttc	nagtcagggt	tgagggccag	cagagatgac	120
tggaacccat	gctgngggag	gagagaacca	actcctgcc	gntgntctct	gacctccaca	180
catgtgccac	agcttgtgca	agtgtgcact	cacctgaata	aatgtcattt	taaattctaa	240
aaaaaaaa						249

<210> 942

<211> 113

<212> DNA

<213> Mus musculus

<400> 942

gtgttaagtt	ttgatccctt	tacgggagat	gctgccttgt	gccccagacg	ggatcaagac	60
tccaatgaca	accataagat	tccccttagc	taagacactg	caagaaaaaa	aaa	113

<210> 943

<211> 430

<212> DNA

<213> Mus musculus

<400> 943

gatggctgat	gagtcccagg	tgatnagccn	ntcgtncgcg	angaccacgt	tgngttcac	60
cggctctgaa	gactcnncat	cggncctaag	agcaaaangag	gatgatgaca	ggcgcttgct	120
ganggaacct	gactgactta	agtnctggac	tgcttactga	caatgccctg	tgtctgtcng	180
attcaatata	tttggcaaga	gggacccatt	ctctgngagt	ntggaannac	ttccaatgta	240
cccatnttnt	ntaccangan	gtccattttt	atatgaacan	nctatgaacc	cctntcaatc	300
cacattagct	taattnccaa	gantaaaaaac	agancgaggg	gtggccagat	ggctcnacca	360
gtagtngaaa	aaagtggnc	nggtnatnng	accgttcttc	atgcgnattt	ttntgtatg	420
gtggctgcat						430

<210> 944

<211> 159

<212> DNA

<213> Mus musculus

<400> 944

aattaaacct	agaagagctt	gggntcaaaa	tgatcattnac	ccgntctgaa	cgccggcgca	60
tcaagttcag	gcaaggcggg	cacccactgg	catcagggtcc	gagtgttcca	ccagaacgtc	120
ttccccaact	tcacggttgt	caacgtcgaa	aaaaaaaaa			159

<210> 945
 <211> 295
 <212> DNA
 <213> Mus musculus

<400> 945						
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gggggtcatcc	tcacgtcggg	atgcccgggt	atcttctnng	ctgggctgna	cttgctggag	120
atgtatggcc	ggancccgag	ccactatgct	gagnactgga	ngaacgngca	agagctgngn	180
ntgagactct	ncncgtccaa	catgatntta	gagtctgcca	tcaatggagc	ctctccannt	240
ggngggtgnc	tcttggtctt	ctgctgtgac	tacagggtta	tggctgacaa	cccca	295

<210> 946
 <211> 261
 <212> DNA
 <213> Mus musculus

<400> 946						
acagactcga	gtagtgtcac	tttgctccat	aaacaagaca	tgaggactat	acccagagta	60
ctctcgtgcc	ttagaagacc	ccagagaagc	agaacgttat	cttgaatggc	tccagcaaaa	120
tctgtgtggg	caactgaaat	gtaagtcggt	tgggtgaatcc	tgctttcatt	agttcagaga	180
tccccataaa	ttggaaagag	aatccagtga	aattggtaaa	ctatttcaat	actttaataa	240
agccctgaat	ttatacaata	g				261

<210> 947
 <211> 144
 <212> DNA
 <213> Mus musculus

<400> 947						
tgagggtccag	gtcaaggcct	cgtcccgtc	acatagtaga	agcngtgaaa	gatccagtca	60
cagaagaacc	cgtagcaggt	ccaggagacag	agacagacgt	aaagtccggg	acnaagagaa	120
aagagaaaag	gagaagaaaa	aaaa				144

<210> 948
 <211> 115
 <212> DNA
 <213> Mus musculus

<400> 948						
aaaacacctc	cagcanccaa	ccangcatct	gaccctgagg	aaaaagggaa	ncctggcagc	60
atcaagaagg	ccgaggagga	ggaagaaatt	gacattgaac	ctctaaaaaa	aaaaa	115

<210> 949
 <211> 531
 <212> DNA
 <213> Mus musculus

<400> 949						
ttagactgac	gataaacctg	ttggtgagag	ccatggcact	caaggctcta	cctctacaca	60
ggacggtgct	cttcgctgcc	attctcttcc	tactccacct	ggcatgtaaa	gtgagttgct	120
aaaccggaga	ttgcaggcag	caggaattca	aggatcgatc	tggaaactgt	gtcctctgca	180
aacagtgcgg	acctggcatg	gagttgtcca	aggaatgtgg	cttcggctat	ggggaggatg	240
cacagtgtgt	gccctgcagg	ccgcaccggt	tcaaggaaga	ctgggggtttc	cagaagtgtg	300

agccatgtgc	ggactgtgcg	ctggtgaacc	gctttcagag	ggccaactgc	tcacacacca	360
atggatgctg	tcttgcgggg	actgcctgcc	aggattttac	ccgaagacca	aannntnggt	420
tgttttcaag	acaatggagt	ggtgcccttg	cggagaccca	ccttcttccc	tacgaaacca	480
caatttggga	atgtggtgcc	aaggnggcag	canacctttt	aaaaaaaaa	a	531

<210> 950
 <211> 241
 <212> DNA
 <213> Mus musculus

<400> 950						
cgtgtgaaga	gctatggnga	cagaagccca	gcatcaactg	ttaagcncca	gaaggggaagg	60
ctnatcgcca	tccgggcgct	gtctgctcnc	accgaggaac	ggctgcagnt	cagttcctaa	120
gcactaagca	tcntatgagc	atcttagcag	ttttacttca	cattctcaca	tttgttttga	180
aaaataactg	ttcaaattat	aactgcagcc	atttcagaaa	gtggaaaatg	ataaatatta	240
a						241

<210> 951
 <211> 384
 <212> DNA
 <213> Mus musculus

<400> 951						
gaactgaggc	tggactgggg	natcatgggtg	gantgtnttc	nggccctgac	attgaatagc	60
tactatnttc	ataggccatc	agcattttgtg	aagaaaangtn	ttngnnncaact	cacgaggacg	120
tggnagagca	aanggatgca	caggaatntt	cngagactgn	attttcataa	gcanaaaatn	180
attntanccn	gannacctat	gcatgccctt	ntgnggggnc	tgntgnttgc	tcttctgngg	240
gctggaanat	cccttctcct	ggnactgttc	tcacttctta	gatttatatg	tgacttgtgt	300
tgcattaaag	nnttactgaa	ctgngccnng	ganggggnaca	ggtatcagna	ctaccaacaa	360
ccaacgggaa	ctgctgctgc	tga				384

<210> 952
 <211> 232
 <212> DNA
 <213> Mus musculus

<400> 952						
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agctaccccg	aggactaatc	gctaatagctt	gggatagaag	aggaagacct	aagcatgcag	120
acctcccttg	ctttctgcct	ttctgtcaca	gtgtgttcat	catactcaag	ggccagcaag	180
atgatccagc	gggtgtaaga	gggtttcaac	cgtgtgcacc	ttcccccccc	cc	232

<210> 953
 <211> 136
 <212> DNA
 <213> Mus musculus

<400> 953						
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gngatacaac	ccctaaaaaac	agcacaccca	ccatgttttaa	cctcatgaag	aaagataagg	120
acaaagatgg	cgggcg					136

<210> 954
 <211> 409
 <212> DNA
 <213> Mus musculus

<400> 954

tgagagttgt	acccggcgtg	gctggccaga	ctgtcaaaga	cgtaacgcaa	agagtcctcc	60
totaatTTTT	ttctgccggg	aatcttgga	cccttgtag	acaaaggcng	cctgtgtgac	120
tcctctgtcc	aatagacact	tctgcgactc	ctcagggcag	ccggtcgtcc	ccgagccaag	180
gacaaagact	cgcagcgcgg	ccaanggatt	tatagcgacg	tccccaagct	gccgagcttg	240
tcacccaacng	agcctgacag	aaatgcggaa	tggatctgtt	ttaacagaga	agaaaaagca	300
ggccagtttt	tcgttaaccc	ccccgaaccg	gannaagatc	cgaaagttna	agcattgttg	360
gggaaaactg	gttccccggg	cncctgnnttt	cgtgaatgaa	ataaaaaaac		409

<210> 955
 <211> 398
 <212> DNA
 <213> Mus musculus

<400> 955						
actggggccca	agagggagcc	agattncntg	acacggagac	atctgtccag	ccacccaaaag	60
aaggtacaaa	atatcacagc	acctgctgga	attccaactc	atgaccttcg	ggagaacagt	120
ttgtgtcctt	gacgctaagc	tacctgttct	cagnttttac	atttgacctt	tgggcatcat	180
ggtgcccctga	ggggacaaga	acaggatagg	gaatctgcgc	atgctcactc	gccggaggcg	240
ggtttaannc	gtgtgncaag	tatttttctt	tttggaaaga	atgaagattt	tacttaaaact	300
ttataagaga	tgagaaatna	aaccacggtt	tttctgggga	gcacgaacgt	gccccgcggt	360
ccctggcaaa	cttcttcccc	gttcttgccg	caaaatgg			398

<210> 956
 <211> 660
 <212> DNA
 <213> Mus musculus

<400> 956						
actgggagaac	agcagcagag	aaaagaaaaag	acagagccaa	aggcctttctg	agtcaagcaa	60
agaacggaat	gcaccccgca	aagaagaccg	cagcgccagc	agcggggcag	anggtgacgt	120
gtctttctgag	cgggagccat	agatgcggat	gcaggagctc	agcaaattac	cattgggcag	180
aattggatcc	tgaaaaatca	agatgctaaa	gcccctacac	tgttttaaga	atttgggact	240
caaatatgaa	aagaaaatca	gaaataagac	cctgggaacc	tgaatatccc	tgcagaaaaa	300
caccaaagga	ccatttccatt	ttgtgtattg	ctgtggtctg	attggggtaa	tgggtgctgt	360
gggatgggag	antgcttgtg	ggttcacacc	catgctctcc	ccatggagaa	ggggccattg	420
gttttcttgc	tttctaccat	gtcttggctt	gcttttgaa	caggctggcc	tancatcatc	480
tgtctctcatc	tgtggtgtac	tgtgagtctg	tgatccatct	ccagcacatg	cctgctgtoc	540
actattttcca	tcattgaatc	acaagacagg	gctggtgtta	gacaaccaat	aataacatat	600
tgtttgaaac	tttggcatct	tggtacattt	tcctcttcct	ttcctaataaa	ataaattaat	660

<210> 957
 <211> 211
 <212> DNA
 <213> Mus musculus

<400> 957						
actgaccgtt	ggaaggagag	ttggggntct	tcncagatgt	gnaccctgaa	aggctacccg	60
tgctcctgtc	accagagcac	aggaaattgg	gaggagaatg	tggngcaggg	gatagaggag	120
ttggaatana	gaaaggagaa	aatgaagacg	ngaccttggt	ccaataagac	ttcattttaca	180
aattaaaact	gnntgaccca	tgataaaaaa	a			211

<210> 958
 <211> 296
 <212> DNA
 <213> Mus musculus

<400> 958						
cactgagtgc	atactgggtg	tggtgctgaa	ccccgggagt	cctgaactaa	acagaatata	60

cactgccctt	caaagcctgg	aggtccaggg	gaggagagat	agccnancct	nnanaaggcc	120
cannanntgg	nggtgacgaa	gttgattngg	aggcnaancn	tgcctctgac	actctgctca	180
tatgnccctcc	tgccgnattc	ccaagtcnnt	ctntatccnt	atgcgggnaa	gagagatccc	240
cgtccgatga	ctcctngtgt	nccatggngg	ggacactgcc	caatgagagg	gtccag	296

<210> 959
 <211> 222
 <212> DNA
 <213> Mus musculus

<400> 959						
ttcgaacata	tccttttcaag	caccantatg	attctggatt	atntngcnnc	tgtacttttna	60
aagtggcggg	ancagagggt	ngaaattaaa	gcntttattaa	gtacattgaa	ccttggnan	120
gcctgnacna	cctgngaggc	cactccttga	aannctgtnc	cantgnccct	gtcccaccgc	180
caaaaaaata	caccacaat	aaaaaccta	acaaaaaaa	aa		222

<210> 960
 <211> 248
 <212> DNA
 <213> Mus musculus

<400> 960						
ctctttcttg	cgcagngtt	gnccgcgttg	gtgaccggga	gagagtcttg	agcggttttg	60
gagaggtttg	gcggcatcan	cnagcnnccc	tgaccctccc	actggatcca	caaaccagct	120
gctaccacag	ggaggatgac	gngctcaggg	ggtccaggac	ttggaaggga	cagatctgaa	180
ccttttcaaa	gttgctttct	cctccaagcc	acaaggcctg	gccaccccaa	gcaaagaaag	240
gaatggga						248

<210> 961
 <211> 208
 <212> DNA
 <213> Mus musculus

<400> 961						
ctgaggctaa	aatgaaatgg	tggttctaag	tcctcgactc	tgagagaagg	agaatggaag	60
tcaacaactg	cccatcaagg	gttgattccc	cacagagggg	aatgggatgg	ccaagtctca	120
cctgcatgta	cccaagaatc	tgtggcacac	ggtaaagaga	gctgccattt	ctctgccacg	180
agaagcagtg	acaatggaaa	aaaaaaaa				208

<210> 962
 <211> 121
 <212> DNA
 <213> Mus musculus

<400> 962						
aaagaagagt	gtgaaacaag	aagcaaagat	cgggttgga	gagggcaaag	aggaaagggg	60
gggatggaag	gaaaccntgc	agccaccaac	acaataaact	gtatcctgac	caaaaaaaaa	120
a						121

<210> 963
 <211> 155
 <212> DNA
 <213> Mus musculus

<400> 963						
ctgaggcgga	gtcaggatcg	agtgtctgtc	nccccaccgc	ottcacccca	acttcgantt	60
tgccaccaaa	ctgnanacac	ctnaaccccg	gtatctggct	gagggcactg	actgggatct	120
cantgtggac	gccggcctga	gtcctgcctt	ctgtg			155

<210> 964
 <211> 150
 <212> DNA
 <213> Mus musculus

<400> 964
 aatgtttacc cttgcggaag ttgcttactt aatgacattc agccaactta ccgaatcctg 60
 aagccatggg gggacgtgtt tatggattac ctggnagtgc ttatgctgat ggtagccatc 120
 tttgcaggga ccatgcaact taccaaagat 150

<210> 965
 <211> 304
 <212> DNA
 <213> Mus musculus

<400> 965
 tgccggaacc gaacgnngcn cctctcgan agnagnaagn gctcanctgg tgnntnatct 60
 ctncanccga canaggcttn tccctgctgn tncgtttaga naccgtaac tgctcaacat 120
 gcacacagta agctaccatg gaggacctcc ctgcccctgt gtggtcacca ggagcagagg 180
 acctgccata tcctttctcag tcttgggagt ggctgctggg acagtgggtc ccatcccacc 240
 tggcttgttt cacctggcct ctgaaactcc aattttctaa agaccaaacc caacaaaaca 300
 caaa 304

<210> 966
 <211> 107
 <212> DNA
 <213> Mus musculus

<400> 966
 tccaggagcg taatgtccag gtgttctca tctctggtgg ctttcggagc atttgtggac 60
 accgtgctgc aaagcttcaa tatccccaac aaccaatgt gtttgct 107

<210> 967
 <211> 238
 <212> DNA
 <213> Mus musculus

<400> 967
 cgaacctctc tggatacatc gtcaccggtg aaccagagg tgggcctcct aggcccaaatt 60
 ccagtcaact ggacaatgaa gatcacccat cacatatata tttggactta ttccgactat 120
 tctgtgttg tcttttgcac taactttctt gtttatttct ttattgattt gtctgtctca 180
 ttgaatcctt ttctctgagt tttgtgttgt attacaagtt ctgtgccaaa aaaaaaaa 238

<210> 968
 <211> 184
 <212> DNA
 <213> Mus musculus

<400> 968
 ctaagtaatg gtcaagactg aggggacgtg gaacacctgc aaaaactgga tttttgcctt 60
 atcacgactc tgaggtagca tccggcaact gaagtgtcct ctttccaata gaatgcctgg 120
 cctctccac caacttcaag gttcagccgg aatgaaattt ggctaacaag tcaaaagaaa 180
 aaaa 184

<210> 969
 <211> 144
 <212> DNA
 <213> Mus musculus

<400> 969
gatctgctct tggaagagtc gaatgttcaa gccagtgtca acgccagtaa cagtgtgtgg 60
tgacatacac ggacaggtaa atttcacaac gaagtitttag gacttgttct atcagtgate 120
cacttgcttc caacttgtgc tgca 144

<210> 970
<211> 325
<212> DNA
<213> Mus musculus

<400> 970
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cgcaggctng actcttctcc agccagaggg aagaatagca tctcccgagc atoctgcttt 120
gtgttctgct gcctttgaag tcagtgggt ggcttttcat cantggaagt gaggaaggag 180
gaattcatcc catcacatca ncacacttta gtgaagcctt tctgaaaacc tgtctttctc 240
cactggtaga cttggattgg gagaagattg ctttcaacgg gtctgccttt ggaaatcatc 300
gtcttctccc taacctgaga aagca 325

<210> 971
<211> 154
<212> DNA
<213> Mus musculus

<400> 971
acagcatgac ctgcgctcct ccatnatagg ttatataccn agagctcact tctactacct 60
gaaanctgan tttggtctca aaatctcaga tgttgcttca ctgattaaag caatcagtgg 120
cctgaaggtc actgcggtcg gtgaaaaaaaa aaaa 154

<210> 972
<211> 256
<212> DNA
<213> Mus musculus

<400> 972
agactgattc cccagctttt cggctgacct gagcaganag agaggaaggn cgtcagcctt 60
cacagccatg gccatcagca tcagcaaacac catccatcct actgccatca cttcaagatc 120
tcattcaacc ccaggggagc tctgagggaa tcaaggcctt gctctccaga tggaaaaatc 180
cgggatttca agggactcag gctgggtggg ttagtgacgt catagataaa ccagcactag 240
accatgaaaa aaaaaa 256

<210> 973
<211> 130
<212> DNA
<213> Mus musculus

<400> 973
gactgaggtg ggcaccctgc agattcctgg cttgnttgta ctctnctcog accgacgcga 60
ccggagaaaag agaaccctgc agtgcanctg nntngatact gaatatcgat accgcacatt 120
ttgaaatata 130

<210> 974
<211> 356
<212> DNA
<213> Mus musculus

<400> 974
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aagttaacta agatcggccc gctgctccg gagacctcat tegtccgct gagttccaaa 120

cccggaggaa	gccccaaagtc	aggacngcca	cggnacacaca	caagaaaccc	accaattcca	180
tgccggntaa	gtggcactgc	gcctgcgcac	gaaggcaggc	tgnggggtgga	ctcgggctcc	240
ctgcgggaaa	acggaaccgg	ctgaaactgc	gttccgtggg	tcanaagtgcg	gcgggcggtg	300
gagaccaaga	ttcgtggtct	agcngggaaa	cttnacacca	tactgccccg	tctctc	356

<210> 975

<211> 164

<212> DNA

<213> Mus musculus

<400> 975

atctatgagg	catgactcat	gtctcaatca	natctgctta	ccccagttc	tccatggaat	60
tagatggcgc	tgtcactacg	attaagcctg	nncctnnnat	ttgnaatgat	cactatgctt	120
naagatntcc	atgtcaacaa	gatctccatg	tcaagatcca	agtc		164

<210> 976

<211> 166

<212> DNA

<213> Mus musculus

<400> 976

gactgagaga	atggcattcc	ctgtggattt	gctggataac	tgcaacgcatg	atattttgcct	60
ttcaagcttc	attcaatncc	actccagcca	tactgtaact	actttatggt	aacaaaatga	120
gctctctttt	gcagacttag	ggaaatgatt	aggaaaataa	aaacaa		166

<210> 977

<211> 426

<212> DNA

<213> Mus musculus

<400> 977

agaactgagg	ttatgagana	gaacagatga	tgtttnagag	aaaanccctcg	ctgggcagan	60
tcaggagggn	agtgagaacc	atcttcatca	accaagcctc	agctgacaaa	attctgcaac	120
aaccacgtca	gtactgcaaa	atacaaccgn	gatcacatto	cttccgaggg	tcctctattc	180
tcagttccca	aagagcggct	aattcgntct	ttctctttat	tgccctgctc	cagcaaattc	240
ctgatgtgtc	gcccagaccg	gtcgttacac	aacactgggt	cctctcttat	ttatttttag	300
ctgnggctgc	tnttaaagaa	gataantaga	agatattnaa	cgacacaagg	ctgataatgc	360
tgtgaacaag	aaacagaccc	caggttttga	gaaatggggc	ctgggggaaat	tggtcactgg	420
ggaaaa						426

<210> 978

<211> 292

<212> DNA

<213> Mus musculus

<400> 978

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caagaactga	gccgacggga	cgggacggga	cgggacctcc	acagccaaga	ctcactggcc	120
tcacagaagg	tctactgaca	ttgacttcat	tggtacgacc	tcactactaa	caaacactat	180
tgtccttgaa	attaaaatca	gcgtcagcag	ctctgatctn	cgttttcana	canaagagaa	240
atctgttttt	cagttaaaat	ttgtncaaaa	gtcacaccct	gaagttttct	tt	292

<210> 979

<211> 293

<212> DNA

<213> Mus musculus

<400> 979

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cactgcccta	agttttggtc	cacatgggtt	gctaaaagta	atgagatgct	atataggagc	180
actaagtgtg	tttcctgtgg	cccactgcat	tatgggtcag	gatccctctc	gggggaaatg	240
ttctgcaagg	caatgttaat	gntggcatga	atggaaaaca	ggatttacgt	gtc	293

<210> 980
 <211> 400
 <212> DNA
 <213> Mus musculus

<400> 980						
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gcaggggtccc	aagaaatcca	agatagtctt	cagaggaatc	gggcctccaa	gcggtgcca	120
aaggaaaaag	gaggagagt	gtgtcctgga	aattctaact	tcacctaaag	agtccacatt	180
tgcagcctgg	gcaaggattg	ccatgagagc	agctcagtca	atgtctaaga	atcgatgtcc	240
tcttcctgtc	aatgtggagg	cctttctgcc	acaagccact	ggatccagat	ggtgtgttgt	300
ccatggcagg	cagctccctg	cagataagaa	aggttgggtt	cgctgcaat	ttcttgctgg	360
acagacctgg	gttccagaca	ctcccaaaag	gatgaatttt			400

<210> 981
 <211> 395
 <212> DNA
 <213> Mus musculus

<400> 981						
acactgagac	aacataatgc	tgntggatac	tcggctnnac	cctnatgctt	acncctngtg	60
aananatggn	ttctgctacc	tggatcccaa	acccagtgc	ncanaggcaa	gaactgttgc	120
cacttgctga	ancaagatgg	aantatttgt	ggacatggct	gagcttcgac	tctnaacttna	180
gtgaccgcgc	cttcgctgct	gttgaaggag	cactgggaag	tactcaaggg	agtagtgaag	240
gctagacttc	ctaagtaaaa	caagctgaaa	acgacaacta	cctgccatct	aagaagaaag	300
cctgctggcc	ctcactcttg	actcagctcc	tgtttccagt	cagcatggag	ggatcnaggt	360
gggaggtggg	gtgatgggtg	ctgctctgtt	ctaaa			395

<210> 982
 <211> 118
 <212> DNA
 <213> Mus musculus

<400> 982						
tccagggatc	cagcaccatc	ttctggcctc	cacaggcacc	gggcacacac	gggtacacat	60
gacattctta	caaccggaat	accatacat	gtaaaataca	atttctaaaa	ttaaagat	118

<210> 983
 <211> 260
 <212> DNA
 <213> Mus musculus

<400> 983						
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gtaagatggt	cactctccac	aggatggggg	gagtatgtac	cacagcaaaa	gttgtacatt	120
ccagtaggac	cacaggataa	agttagtttt	cctagcccca	tagtccagtc	tcttggggag	180
ctaaggtggg	aagcttgctg	caaagttcga	ggccagcctt	ggttatagag	caaggnactg	240
tcacaagaaa	ggaaaaaaa					260

<210> 984
 <211> 326
 <212> DNA

<213> Mus musculus

<400> 984

actgagcctt	tgaccttcag	ttctgngttn	ggccaggtat	tnnnntgtct	ctganngtgn	60
cccaccanag	aanagagntn	nttaacnnnt	gccttcctga	ngtataaaan	gnnccaaaag	120
ctggattttg	ggcaaggggn	cctntgggac	ctaaaacaca	ttgtaggcat	cctgtgcagc	180
tacagccagc	aggggctgga	acctgtagca	cctgagtaag	gcaaattggac	aacggaggag	240
ccgcagcagg	tcacaccagg	aaccgacgag	gtctgtttga	attccccctg	ggaaataaaa	300
catccagtc	acttcaaaaa	aaaaaa				326

<210> 985

<211> 387

<212> DNA

<213> Mus musculus

<400> 985

attgcggcctt	atgacaaacn	cgtacctaaa	gnaaagtgat	gacaatgatg	cangacctat	60
atgatcngcn	tggacgantg	ccngggnaat	cittgatgca	ntttcttaaa	nggtnacacn	120
ttntcntttg	gcttcgatga	ggctgagcctt	ctggcgaagc	ttgaggaatt	ggagcaggan	180
gaattaaata	agaagatgac	aagcctggag	cttccaaatg	tgccgtcctn	gtncctccca	240
gcacagccca	gtaggaaagc	cagcatgccc	tcctccgtgc	accggtctng	aacangcatc	300
ttccaggagg	gcacaggaag	atgatgactn	canacaacta	gcacttgggc	cctttaaaag	360
ctacantggg	aaacacttga	cacctaa				387

<210> 986

<211> 542

<212> DNA

<213> Mus musculus

<400> 986

tgagataaac	gtgtagcata	ctggccgctg	atgcagtctc	catggccaac	gataagcata	60
agcacgctct	atctcctgtt	cgtgtggctg	gggccaaagt	ggatgaaaga	ccgcgagccg	120
ttccaaatgc	gcttagtact	cataatctat	aattttggca	tggttttgct	taaccttttc	180
atcttcagag	agctattcat	gggatcatac	aacgcaggat	acagctatat	ttgccagtca	240
gtggattatt	ctaattgatgt	taatgaagtc	aggatagctg	gcgcacctgtg	gtgggtatatt	300
gtatcgaaa	gcgttgagta	tttggacaca	gtgtttttta	tcctgaggaa	gaaaaacaac	360
caagtctcct	tccttcacgt	gtaccaccac	tgcaccatgt	tcactctgtg	gtggattgga	420
atcaagtggg	tggctggagg	ccaagcgttt	ttccggggcc	cagatgaact	ctttcatcca	480
tgtgatcatg	tactcctact	atgggctgac	tgcgttcocg	nccctggatc	caaaaatatc	540
tt						542

<210> 987

<211> 293

<212> DNA

<213> Mus musculus

<400> 987

attggtagca	ctccatngag	aatgcaagac	cctnnccctg	cngtgcagtt	ctcaaaactta	60
ccccggattg	acttcagtag	catagctgtg	cctggcacgt	caaacccccca	acagcgccag	120
ctgccagaa	cccaggctca	gcactcatct	cctggggaaa	tggcatcttc	tcctcaaggc	180
ctagacaacc	cagccctgct	ccgagacatg	ctgctggcca	accgcgatga	gttgtccttg	240
ctgaaggagc	gcaaccacc	cttggcgga	gcttctgctc	aattggaaaa	tcg	293

<210> 988

<211> 397

<212> DNA

<213> Mus musculus

<400> 988
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caacantctt aacctccctgg gtgattgagn caccctgcan gcagcatgtg ctgctgatga 120
nagctcggga tngcnatcat gaatggtctt ggattccaaa cctgccntgt gtcantctng 180
tatcacccgac nacgacaaca caaaangttt ctgncttgct tttgtcatct gtaagatgac 240
gttcacaaca gcacagtccc agcgctacca cggccccaac agagtcagct gtactcaaga 300
cagaggaaga cgccatgatg tcaactgtac tgatggatac ctaggaatct aagatgaggg 360
ctggggagat ggctcangtg gcaaagtctt gcaaaca 397

<210> 989
<211> 140
<212> DNA
<213> Mus musculus

<400> 989
caaactcggg agtggttgagg ctttgcgtga atgtctgaga tangggcctg gctccacccc 60
aggaaggagg gccaacgtca ctaacactgt atgtgcaa atgtccgcaata aaacactttc 120
caactttgta aaaaaaaaaa 140

<210> 990
<211> 111
<212> DNA
<213> Mus musculus

<400> 990
cagagcctgc taggcctctt ccctcccaaa acagccaacc caaaaagaag gaaggacgat 60
tcagcatgct caaccaaaatc ttctgcaaaa ataagaagaa aagcaaaaaa a 111

<210> 991
<211> 107
<212> DNA
<213> Mus musculus

<400> 991
ccctgggggtg ttggaaccga tcatgtgaac ncanggggtg attnaagccc tggttaagcgg 60
gtttgagggg tgactcagga nccaggagaa ctatttgtg ggagatt 107

<210> 992
<211> 184
<212> DNA
<213> Mus musculus

<400> 992
aatggacaca gttttgtgca tatggaacat gaaaaggctg ttttactact gaagagcttc 60
cagaacacag tagacctagt tattcaacag tgagctcact gtctaaatgt tttttataaa 120
tagtgaagat atgtcaggcc agaactaatg tttaaaaata aatttataca tagaaacaaa 180
aaaa 184

<210> 993
<211> 162
<212> DNA
<213> Mus musculus

<400> 993
gactgaggtt tctgaacttg ttcattggctg gattttttaa aaatatattc aagatttctt 60
gttacgaaa tgtaagttag aagataaaaa cctctatttg ttcatcccat tttattctat 120
tgngngatta aagtattgaa tttttagtga ttaaaaaaaaa aa 162

<210> 994
 <211> 243
 <212> DNA
 <213> Mus musculus

<400> 994
 aagtggatcc acacctacac tactgtgtag gctgacacct ggatggatgg tatatgaatg 60
 ctatgaatca gagtcaccta gctaggccaa tcccagaacc ccgaccgtct aaaaccacag 120
 atgtttgttt tgtcttgaga ctgtgtaact caatttgatga attggtgctt agttcccttg 180
 ccccttgagc ctacacacagg ctggaactta atgcatgcag cagcatgcct gatatactca 240
 tta 243

<210> 995
 <211> 145
 <212> DNA
 <213> Mus musculus

<400> 995
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 ctccggctcc gcgattcatc agccttgatga ccttgacaaa atcatttgcc tttatgaaat 120
 aagcttcaca tctgaaaaaa aaaaa 145

<210> 996
 <211> 199
 <212> DNA
 <213> Mus musculus

<400> 996
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 atacaatagt aatgtattcn ttcaagcctt tcancagaaa acaccnggn tggctgtgca 120
 nngctgnctc tgncttgaat cgaanggata atggctactt cctgattaaa gccgggtccac 180
 cgtaagcaga aaaaaaaaa 199

<210> 997
 <211> 237
 <212> DNA
 <213> Mus musculus

<400> 997
 ggggattgca ctggatcact tttggggata tcatcactgg actggtttga cccactggct 60
 gccaaagtga ctgctgctgc tgctgataca tgctggtgtt gttctagtgg actgctgctg 120
 ctgctgatac atgctggngt tgttctagn gactggattg ctgacgatga anattggaat 180
 aaccccaaag aactatttat aaacaggnt acaacctgtt tcctattaaa aaaaaaa 237

<210> 998
 <211> 440
 <212> DNA
 <213> Mus musculus

<400> 998
 gactgagatg aagacatgca tttctggtgt ccctcactgc aggaggtcaa agaggtgttc 60
 aagcaagcct gggagcctac aaccccgccc tgtaccacaa ggggcccttc cagcacagcg 120
 caagggtgct tgagagttag gccagcctgg attcacagga tcctccccag gaagtggcct 180
 tggacattaa gttgaactac atctacaagt tcctgaccct gtgtctocta ntccggccag 240
 tgtcctacac ggatgccagc atcttgatc tgatggagct gctgtgccgc gcaangcctg 300
 gatgtaaggt tgtgcctgct gcccaanact gacctccagc aactnctgct cctgntgctg 360
 gagagaatcc aacaatggcc tggaaaagct tcancccttt tnttgggcct taacttgggg 420
 ggtgcgacca ccaccacaac 440

<210> 999
 <211> 237
 <212> DNA
 <213> Mus musculus

<400> 999
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 ggaacatgaa attcttgagc cattccatcc agtgcgttga anttttnaaa aggcttggtc 120
 ctgttctctc tcaccacaac ctgaatatct tctgagtttt atgggatttt ctgtgacagt 180
 gaagttttang ttaagatggt aacactgtta ttaaaatagc tattacacaa aaaaaaa 237

<210> 1000
 <211> 189
 <212> DNA
 <213> Mus musculus

<400> 1000
 gactgagaca acacctgagg tgaaaactan acccagaagn gcggggcgtgc gcgtctcgaa 60
 gtcagccata acaagcatct ggcttggtatt tggggagggg acgattctcg attcttcgtt 120
 caactctttg gagctccccct ctcaagcaaa ataaaccaat aggaatgagn gtttatttaa 180
 aaaaaaaaaa 189

<210> 1001
 <211> 348
 <212> DNA
 <213> Mus musculus

<400> 1001
 gcccatttaa gacactngtg agccctggtg aaatcgaccg aacnctagan atgttgacat 60
 ccaaagaaca ctgacgccng aacaaaggan aanagtgcct gcgatctttn aacctgtgtg 120
 acgccaaaat tccgaacnct ccaccggcct gtgaagtgcg cttgcgcgaa ctgggctacc 180
 cantaaaact gngttggacc annngntcan aggnataaan nantgactac tctttgcgaa 240
 nggctgagtt cagatcccng caancacatg gnggcttnna ncattcgnaa cganaacctt 300
 tacnctnttc tnaggngnct gggaacagnt tcactggact tacctata 348

<210> 1002
 <211> 263
 <212> DNA
 <213> Mus musculus

<400> 1002
 cagactgaga attttcnatt tgtccctgaa cgaacgctgc ctttctgcat cgttggtttg 60
 caagtactgg cgtgaccttt gcttagattt ccagtttttg aagcagctgg accttagtag 120
 tcgtcagcag gttactgatg aattattgga aaaaattgcc tccagaagtc agaataaat 180
 tgagattaac atttctgatt ggngaaaant gacnaacagn ggnggggggtg tgctaacatg 240
 gaaaagtcct ggacttctta agt 263

<210> 1003
 <211> 251
 <212> DNA
 <213> Mus musculus

<400> 1003
 ttgaaacact gaggtggaat ganccttact tgttgactgg ntgctgatng gattcacttg 60
 aaaactaacc tnananaacc tgnnngagng gaccagggtt ttgntcaag nagcagacgg 120
 nncctgtca ctccttctctc agcttctcga taccnccgcc gaaggctctc anggnctcga 180
 gatgaacgnt atcggtcaga tgttcataca gaagctggcc aggcagctct tgctaaacac 240
 aaagaaaaaa a 251

<210> 1004
 <211> 326
 <212> DNA
 <213> Mus musculus

<400> 1004
 atttggctgg cctgaaatct gctgctgtag accaagtngg cttcgtatta agagtaagag 60
 acctttctac ttctgtctat ggagtgtctg gattaaagaa ganctgaccn tacacantaa 120
 ccagncngag aaaagcctna aacaagngag ggtaaagcag tctanccac ggctgnanaa 180
 nanagctnag angtcaaaaag cacctgtctga tcttncanac gaccagagtc cagttcccag 240
 catccanac aggtttctta tancaggctg tancctcaac tatggaggga anccanacatc 300
 atgttttggc ctccacaggc atgcac 326

<210> 1005
 <211> 485
 <212> DNA
 <213> Mus musculus

<400> 1005
 tcctgctacc tatatccctg ctgcngtacc ngaggtagct tntggaggag ctgcagangt 60
 agtccagtgt gctaccgaac tgagcttcac agaactgggc cttgggttctt acaccccggt 120
 ggggtctcatc cagaacctct tggaaatat tcatgtcgac ctgggcctgc cgtgggtggg 180
 agccattgcc acagtgtant aggacntcct gggnnngggg ggaaganttg gggacaaaag 240
 ngcagaggtn agaaaaccag gtgattcann anggatggg aacattcaac ttttatttcc 300
 tagagagtgt tagaaagcca cttatctgcc cgcagtgtt gggagggtana ggaaggaggg 360
 tcancgtnc cccttaagta attaaagaat tcaaggctag cctcatacct taanactgn 420
 tctggggggc atgaanacat gccatgactn aagcantcct ataaatnaag gaaagcctat 480
 ttact 485

<210> 1006
 <211> 368
 <212> DNA
 <213> Mus musculus

<400> 1006
 tgagtgcact tccagatgca aaatcgagag cccttgacaa tattggcaga gtttttgcca 60
 gaggttggaa attccagcaa gccattgaca cgtgggagga gaagatccct ctagccaaaa 120
 ccacctgga gaagacctg ctcttcacg agattggccg ctgttacttg gagctggacc 180
 aggcgtggca ggcccagagt tatggggaaa agtctcagca gtacgctgag gaggaagggg 240
 acctcgagt gcagctgaac gccagtgtcc tgggtggcgca ggcccaagg aaggtggggg 300
 nctnanact ccannccna ngntnnaca nagnnnnnnt gagannccat tnttaccata 360
 acttgag 368

<210> 1007
 <211> 309
 <212> DNA
 <213> Mus musculus

<400> 1007
 gcttgccctt aaagatgctg ctgcaaaatt gaagaggacc attgaacacc ttaaaaaagg 60
 caaagccnng cttcaantcn nttnnnntgca nacatgnang aaantaaact ggctagncta 120
 gctggccaac ctttgtcacc acctcaacag ctctagcatt taagtgttaa tttctcccag 180
 caacaggaca caaaagtaat tgagaatggc catgaacttc tcatcctcct gccttcaact 240
 tccaggtgat acggattcta gngtgcntc acacctctg gctaataaat gagtttcctt 300
 taatttaaa 309

<210> 1008
 <211> 115

<212> DNA
<213> Mus musculus

<400> 1008
ccatctggac cgtacgagaa ggagacagca gagaggncac cagacatccc caacaggggc 60
agctnccagg cagagagccc ggctgtgant gccangnngc atgccatcgc tgcca 115

<210> 1009
<211> 132
<212> DNA
<213> Mus musculus

<400> 1009
cctgaggttg atcgtgtcct gagctgaaga tgttcccaga acacgcagaa agaggtaacg 60
atgctaccca ttctgttatg gagagtctgg gctgaaaatc tgaaaataaa taataatcca 120
cagaaaaaaaa aa 132

<210> 1010
<211> 135
<212> DNA
<213> Mus musculus

<400> 1010
agctgcaaac aagcggangg actgtgcang gggccgaggt cgntctttct cctgcctttg 60
canctcaggg cttttcttct gtctctgtgg gaatgtttga atttccaatt aaaattggct 120
ttattaaaaa aaaaa 135

<210> 1011
<211> 178
<212> DNA
<213> Mus musculus

<400> 1011
tctagtgttc cagaaccgcc agacaatgaa agaaaagcaa gtttatcatg tttccaaaat 60
caaagagcaa tacaggaata tattgattta tcatctgata ctgaagatgt ttctccaaat 120
tgttccagta cagttcaaga gaaaaaattc agcaaagaca cagtgattat agtgaag 178

<210> 1012
<211> 260
<212> DNA
<213> Mus musculus

<400> 1012
gaagagagga aacatngctc acgggcttca tctgnccaac tntagaagnt tattttcatc 60
atccatccat tgggtgccata cancttccaa ggctgtgaac tgccttggca ccaacatgaa 120
gatcatttgg gtaagactgt gnagaggact gattatntnt taattgaggt aagaatagat 180
gacaaaaaat accctatcaa ccattttaat gtacatctca ggagcattaa ttatgttcat 240
tttgcgttac aaaaaaaaaa 260

<210> 1013
<211> 176
<212> DNA
<213> Mus musculus

<400> 1013
cttctgggac ctgtattgtg cggcaccana ccgcanggag gcctgtgaac actccagtga 60
ggccaaagtc ttccaggact atgtgagtct ccaggattct ggaacctgga ccgcttcttt 120
ttgctttgtt tgtatgtttt gagactggn ttttgnngcc ttggatgtcc caggaa 176

<210> 1014
 <211> 247
 <212> DNA
 <213> Mus musculus

<400> 1014
 ttgacaccac tgaggcagac atgttggcta tttggcgatg agaagtttga agaactgaca 60
 tcatactggg ttagaacact atgggacctg acattttgcgc tgcttgggca gccagtgcc 120
 attggtactg ctaagaagcc ctcaactctac tgcagaacac taatctgatc ttggaagtgg 180
 ctgattgtgg caggatgttt cgaagatgat gatggcaaga aagcaagatg tccgcataaa 240
 aaaaaaa 247

<210> 1015
 <211> 493
 <212> DNA
 <213> Mus musculus

<400> 1015
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 ggcaaagtac caatgtcctg tgggtgggatg atcccccaac ataaccacag cccacagtct 120
 gagcctattc accaaatcac agtgagtcag acgacgttca aacctggaga ccagatcgaa 180
 gttactttat caggaccacc atttagaggc tttcttttgg aagctcgtga tgctgagaat 240
 ttgagcggcc ctccctattgg ctcccttcaact ctgattgaca gcgaagagtc acagcttctg 300
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 attaaagnct actgggatgc tccaagccct gccccagatc acatacgatt tctagctaca 420
 agttgttcag anattaaaat ctacctgggg tgaagattcc gagtcctcgt cctctgctca 480
 ctggggccttg att 493

<210> 1016
 <211> 333
 <212> DNA
 <213> Mus musculus

<400> 1016
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 tcaagctctt gcttctcctg cctcagcctt aacaagtgc atgctgacaa ccagacccta 120
 ttaccacaag cttgaagaat caaggaaatt aagtacaaca gttttccctt acaggaaaac 180
 atccaagact cacagcagag gactcctaac tataacagca ccaactgcta caaacactgc 240
 ttttctata tgttctgcag catggccaca gaggagaggc agcttttaca gtcttgcca 300
 gcttggaact cactatgtaa atcaggctgg tct 333

<210> 1017
 <211> 325
 <212> DNA
 <213> Mus musculus

<400> 1017
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 aaaaatcccc ccagaaccaa acaactggcca cagcttaacc tgcattccagg tcggagacac 120
 aaggactgga aactggcttc actcgataca ctggcctanc tccagggtct tcatggattc 180
 ctccagcttc agcactcctg cgtgagaaac accaaacagg attaagtgtc atggaacagg 240
 aggaaggccg catgattcac cagctcttta agcatgtttt tgtggacctc taattagaac 300
 cagggtccca ctggaaaaaa aaaaa 325

<210> 1018
 <211> 220
 <212> DNA
 <213> Mus musculus

<400> 1018
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 actacagcca ggtcctctga aagagcagcc agngctctta accccaacca tctntncagc 120
 ctgagaagtg cgtgttctta tcatgagaag acaacaagc aagtggagtt gcaaagctgc 180
 ctcaantggg taaaggnact tgctgccaag gcttgcaagc 220

<210> 1019
 <211> 199
 <212> DNA
 <213> Mus musculus

<400> 1019
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 gtctgaagca gatgagcacc ggaaacctga ggctgtcatc ctggagggta attactggaa 120
 gcggcgcacg gaggtggtga tgcgcgaata ccacaagtgg agaattctact acaaaaagcg 180
 gctccgtaag tccagcagg 199

<210> 1020
 <211> 271
 <212> DNA
 <213> Mus musculus

<400> 1020
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 ttggaacata tttgttgtat gaatgtctcc caggatata caagaggcag ttctctatca 120
 cctgcaaaca agactcaacc tggacgagtg ctgaagataa gtgtatacga aaacaatgta 180
 aaactccttc agatcctgag aatggcttgg tacatgtaca cacaggcatt cagtttggat 240
 cccgtattaa ttatacttgt aatcaagggt g 271

<210> 1021
 <211> 247
 <212> DNA
 <213> Mus musculus

<400> 1021
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 tgctgggant gnaagnccct ggcoctgnct ttgtctgctt tttgttgaact gagttgactt 120
 aggcgtttac tccacagcag aagtgtggag attggggaca ataagtggaa ggcccctaag 180
 atggagctca gcttgcaga cttggcagcc atcactttgg cctgctgaac catctcacca 240
 gccactt 247

<210> 1022
 <211> 203
 <212> DNA
 <213> Mus musculus

<400> 1022
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 gcagggaccc tccnctact tgctgnaacc tgaggnangg ctggnatnt ngtgggtacgc 120
 cgtcaacatc actactgact tcttcaacct actgtatgct ggaaccaagt atgaactggg 180
 cccgcacctc tacttgggct gga 203

<210> 1023
 <211> 283
 <212> DNA
 <213> Mus musculus

<400> 1023

acataagaca	tctgggctcg	cgngctaact	gnnagcacgc	aaaacgccnc	tgacagattg	60
cattcgctgt	aggaaactcg	tccggcgtgc	agctgaggaa	agaaacacct	tcgaaagaag	120
gatatctcca	aagaccaggc	tcccgcggcc	tgagtcgcag	acagtgatgc	caggagggag	180
gcaaaggaac	ttggaagcag	cggatcccga	cacaggcgcg	gcaccgggag	cagccccatc	240
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<210> 1024
 <211> 157
 <212> DNA
 <213> Mus musculus

<400> 1024						
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atgggtgtgg	catgcctgac	aatcaaaggg	caagggngctg	angggancct	ataaagnnac	120
ttgggagaa	ccacacacct	gacttgagg	attctgg			157

<210> 1025
 <211> 171
 <212> DNA
 <213> Mus musculus

<400> 1025						
gactgagacc	tctccagcat	caaccaaacc	cgactcgagn	tncaacttctn	tggtaaaatg	60
gccatgcggc	anggaggncc	ngentaccog	cttnatgtnn	tcccnacanc	tcnccacna	120
tgccaccag	accatnaata	taagagatat	tgtgcttgga	ccatatgaca	c	171

<210> 1026
 <211> 202
 <212> DNA
 <213> Mus musculus

<400> 1026						
ataacgaaaa	ctgtgggtga	gaatatattgc	nngaaagata	gngntgaatn	atgtnaccnn	60
gacctggctc	catncntaga	cactggcact	actgnngagg	accgcctgaa	gatngatgtg	120
atcgactggc	togtagtttg	acccggccaa	gatagcagga	agccctgagg	cgaangcanc	180
gccatcatga	ggaagttctt	ac				202

<210> 1027
 <211> 249
 <212> DNA
 <213> Mus musculus

<400> 1027						
agactaagct	ggattcctga	ctgacccagg	aggctgcatg	catgctgtct	agagcctcgc	60
tcagnacagt	gctggcctca	tccccacacc	agccatcgtc	actctaattg	ntcctccttc	120
cagaaccaca	gnnttntcat	ctaggcaaga	atgngacaac	actcagcctc	gngaaaatct	180
ntgggtgctt	atggacctgt	cacacaaang	ggaatgagtg	ntgnttgata	gtacttgtat	240
ctcaacaat						249

<210> 1028
 <211> 101
 <212> DNA
 <213> Mus musculus

<400> 1028						
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ataaaaagga	tagccaagga	aggcaaatat	aaaataaaaa	a		101

<210> 1029
 <211> 262
 <212> DNA
 <213> Mus musculus

<400> 1029
 gactgagggg gctgaacagt ccaaaatgat ccagggtgtat gcagttcaaa tccttgcccc 60
 agtgagggaa tccctagggg agtgggtgat gggactagag tagatccact tcctccagtt 120
 catnccnct ntaanaaat cacggagncc naggcacaan aagagnnagc tagcngcttg 180
 cttaaatatt tcagcgatgt taggcgtnta ttttcacaag acccaccgna aggaaangag 240
 cnggctttgt tttcatgatg at 262

<210> 1030
 <211> 109
 <212> DNA
 <213> Mus musculus

<400> 1030
 gggactaagc cgaccttgaa tggattcgac tgactactac caagnngaac cgatcatgct 60
 agcctttgna cacaagaat aaaaatgtga agaactttaa aaaaaaaaaa 109

<210> 1031
 <211> 176
 <212> DNA
 <213> Mus musculus

<400> 1031
 aactgattc tgcaaagagg cctggactcg gaaaccaana aacagcttna agaggaggag 60
 cggaggatga tcanagacga gcacnttnc ntcttgatg cttgnttgca gngangnaca 120
 ccttcttcog agnngaacaa agcttcttcc tataatgaat cacactgtct ctacgg 176

<210> 1032
 <211> 108
 <212> DNA
 <213> Mus musculus

<400> 1032
 ccatttcaact ttcaagcaga agatgagcag gattatatac gcgtaagtac tttcaaagtg 60
 gcggtgcagt ggtttgaaat taaagcatta ttaagtacaa aaaaaaaaaa 108

<210> 1033
 <211> 374
 <212> DNA
 <213> Mus musculus

<400> 1033
 aggatgacct tgaactcctg atcttcgtgc cctcacacct ncaagagata gaatnacaga 60
 tgtgggcaac caagcccggc tttgtatacc tgaattggtc gggcgtgatc cgtctcggtt 120
 gggttcgggc gccctctgct gcctattgng acnccgncca ccaagttacc caggcgggtg 180
 aggtcggggc ggagctcttg agccatgact gagccgcagg agcagctgct gcaagctgca 240
 gaaggacaac cgagatgggc cgcctgcgga agcaggagct agaagagctg gtgcgtgggc 300
 tggaagccga gagccgaaga gcctcaccgg gccgcctgga ggagctgcgg gaagccgcga 360
 agcgcagcct tgca 374

<210> 1034
 <211> 307
 <212> DNA
 <213> Mus musculus

<400> 1034
agactgagac aaggagactg acnngattgc atcntaccca tatanntana ctggetgacc 60
ggggagtttc aagcatctgc ctgcctttgc gcaactcaaaa gaatgccatc acccttggat 120
tttgggaatc aaaccaagga catcatgctt gcaaggtgaa aattccttct gntggtttcc 180
agagacacct gggaagactc tggggagccc ttggctaata atctcaggaa aactgctgcc 240
ccggctgaaa ctggaagctc atggtggacc caagatctct tatctctggg acacttaaaa 300
aaaaaaa 307

<210> 1035
<211> 111
<212> DNA
<213> Mus musculus

<400> 1035
aaccgccgtt gaaaccctgn ganatcgaac atattanttt caagcagaag atgagcaggn 60
antatatagc gtaagtactt tcaaagagcn cnggagccag taggtttgaa a 111

<210> 1036
<211> 267
<212> DNA
<213> Mus musculus

<400> 1036
atttcaaaag atccctaata ttgaaaatga gacaatgac cctgtactga cgtcaaagag 60
agcaagtga ttancagtca gtgaggttgc aggccttttc caggctgac ttcagaatgg 120
nttaaacaaa tctgaantta gtcataaggca agccttccat ggctggaatg aatttgatat 180
caagtgaana tgaaccatta tggaagaagt atattttctca gtttaaaaat ccccttatca 240
tgctgctcct ggcgtctgcg ggcaaaa 267

<210> 1037
<211> 290
<212> DNA
<213> Mus musculus

<400> 1037
gggaccaatc tccgttgcaa atcctgntnt gnagactcga ctncacncc aggnacacc 60
ggggaaaact gtaccacact ctggggccccg tccagcacct gggcttgcca aggtanggga 120
caacnctttt tattgtcaan accgtnnnta nanatgggca aannggggn cctcctcca 180
tagaagcact cattttgcgg ggtncctgnag agggggccctc cccaaaaang tnacgncccc 240
ttgggggaaa agacaccctt tntntttttt tnttgaaaaa gggggggcca 290

<210> 1038
<211> 428
<212> DNA
<213> Mus musculus

<400> 1038
agagaaaacc gaagaacaca agacaaaaga gactgatggg gcacccagtg gccctggacc 60
gcggcaacag ctagtgccct tatgtgcca gaggaagtaa agaaagccac cagaagccca 120
cagagatcga cgagcaagat aaaagagaa aagcacccgt ttgctcttta tggctgggga 180
gagagacaga tggacatggg aagccagaaa acacacaacg tctgcgcgtc agcctctgtg 240
cacganattc atgaatcanc acttcagacc aagaatagaa nacaggtgga gaaaaggaag 300
ctggctgccc aaaggcagcg gncnnacttc ggnggcccgtg gaaaaaaacc agagggtaaa 360
gccggcgctn tgccgaaaac ccatggctga caaaagtata tgcggngcta cttcaagcga 420
ggcgctta 428

<210> 1039
<211> 342

<212> DNA

<213> Mus musculus

<400> 1039

agggggcgct	ggcaatccgt	cagctggngt	cagtcattctt	gaaacagnat	gnggaaactc	60
actggtgtgc	ccaatcagga	naanttcaga	cctccggaaa	ctacaagaaa	gggcaaaaat	120
tgtcatccgg	gagctgttac	ccaatgggtt	aaaagaanca	ataagcnaag	ggcncctncag	180
tgnggcctat	gctgagtcen	ncattgcccc	ctgggattgg	nctgaagnct	ggccccagct	240
cttcaacctg	cttatggaaa	tgntggtnag	cgnaagactt	aaangctttc	catggagccc	300
atgcgtgggt	tgaccanaag	ttanctcgag	aaggggacag	ac		342

<210> 1040

<211> 443

<212> DNA

<213> Mus musculus

<400> 1040

ggcagagacc	gggcgagggc	cgtngcactn	cgngggganc	tctnnagtgn	ttgnacagna	60
tggttggnaa	acttaaataa	cgtagggana	ggcgagccc	agaacttcog	ttttcctgct	120
ggctccttcc	tctgaccagg	gccaaggctg	aaacctggct	gnctctgcca	ggtaatgcca	180
ctgctgctga	ttcgtgttgc	tatccaaact	ctatanaact	ggactgctgc	tgtatctgta	240
aagtgttggt	gagtggttgg	agctgccact	gctggctctt	gtaaaactgaa	ctgttgattt	300
cctgacagtg	ccgatnaaat	ttgctacaaa	agaaccattt	ctnaataggg	ccactttccc	360
tggaatcctt	tntttcccgc	tacctttggn	aggttaaagg	ggtttaanaa	ccatcattaa	420
aaataagact	ttgaaaaaat	att				443

<210> 1041

<211> 259

<212> DNA

<213> Mus musculus

<400> 1041

cttcagtgtg	tgccaccggt	gggggaggca	cgagaagaac	ggggcactgg	gatacgatgg	60
ggaaagatca	agaacgcagc	acaccaagtt	tggaatggac	ttagcttcta	acctgctccc	120
tagctactga	catttttttc	atctcgggga	ggagataaca	gattagggga	gtgggacctt	180
ggagcaagat	cctacccagc	taaattttaga	tccagctgat	tttcagcccc	agctaatacag	240
ctcctgcttc	ctgaccttc					259

<210> 1042

<211> 139

<212> DNA

<213> Mus musculus

<400> 1042

cacttggtta	ctcagnaac	attgattcaa	ccaaatgaac	tgattcaagg	gagtgacttt	60
tgaaattgcc	tcctgctaata	gnaaccagaa	agtacagcat	cttggatgga	gataccaaag	120
atcacaagat	ctttctttg					139

<210> 1043

<211> 378

<212> DNA

<213> Mus musculus

<400> 1043

acacatttta	tcaaaactag	caccaaata	ctgccattgc	ttcctggaga	gaggaaacct	60
aatgatcctt	ttacccaaag	aagaggcact	agacagacca	gcattgcata	ttttgtcacg	120
ctacaatcag	gaatggcaag	tggtggtaac	cagaagaaca	ttttctctct	caaagaaaat	180
cagaccaaca	aagaatgcaa	gagaaccacg	ctagactgtt	tggtatgatg	cttgctctcg	240

ccttttggtca cttcagctcc agcagacatc caggaagctg ggcacccctg gtctccccag	300
atttcaggct gccagggttt ggaaatgtcg tctttgacta tgatgtcttt gaccagcct	360
ggtgtcctga tggatgca	378

<210> 1044
 <211> 166
 <212> DNA
 <213> Mus musculus

<400> 1044	
gatagggtgg ttcaccgcgg agtgcacgt ggcgttcac gtctccaaaa acaagtgtga	60
gtttgtcaag agacccctga acatcattga cttactggca atcacgcctt attacatctc	120
tgtgctaagt acagtgttta caggcgagaa ctctcaaaaa aaaaaa	166

<210> 1045
 <211> 219
 <212> DNA
 <213> Mus musculus

<400> 1045	
gggagctggg acaaaaaacaa gtgcacatctgg aagctggagc tggagctgga gctggagctg	60
ganctggngc tggagctgga gagaagcaca ggaagggccc gaggactaca gaccctccga	120
agacaggctg ggcattgact aatcanaggc tggtagcctt gtcccctaca ctangccaac	180
gccacctgct ttttggcgac tttcttgacg acataggca	219

<210> 1046
 <211> 302
 <212> DNA
 <213> Mus musculus

<400> 1046	
actgagtgga gctggcctga actttggacc ttgtcttcca gtaggaaatc agtctctcag	60
aaggcgatca tggcctccaa gcctgagaaa aggggtggcct cctctgtctt catcaccctg	120
gcaccgccac gccgagatgt anccgtgagt gaggaagtgg gccaggcagc ttgtgaagcc	180
agacgcgctc ggnccctggga gatgcttccc acaaagacac ctggggctgc agtgggcagg	240
agccccaaga cctggacgcc ctccggcaag accaatgcct cactctctgg agtcacacct	300
ca	302

<210> 1047
 <211> 209
 <212> DNA
 <213> Mus musculus

<400> 1047	
aaggaggaat gagaactcat tgacgtggtc gataaacnag aacatgaagc tgtggacaga	60
aggtgctgat tcccgtgaag cagtttccca aggtgaggcg ggagctgnnc nntnntgcta	120
cnganccac nagcatagcg caccctggca ttantggccc tggccttcac acacttgaag	180
ctaattaaaa cgtttgggga atgaaaaaa	209

<210> 1048
 <211> 337
 <212> DNA
 <213> Mus musculus

<400> 1048	
actgagatca atcttctctg tctgactcca cctccgaacc cctggacacg acccacttag	60
actcctctcc aggtcggctc tccattccca gagcttgccct ggtatgctca aagatatcca	120
catgttggct aagcaccttc tgtcaagagg aggcgccgcc ccccgcaaca gtccccgcc	180

ctaaccactc cctctacccc ctggaactat acagtttcta gttcctttgc aggtccccgg	240
tcccacccat ccaaactctg cctgtccccc tcaccatagc acatgaactc tgtcacaata	300
taaattgggtt cctccgacac caccgcaaaa aaaaaaa	337

<210> 1049
 <211> 275
 <212> DNA
 <213> Mus musculus

<400> 1049	
acaacccccct ctatgtggat naaaacttca tcnatnnccc gctggcccaa cctgactggg	60
ctgccaactga agtttgggtat ggccgccttc cancaacnaa nggctttgaa ccatctagct	120
cttggaactgt ggaggtggna caaanannccn ttgtcnagct ggtgccataa tgngaagact	180
gtgaagggttc natangacna cattgcatcc natganaccc acccatcatt ctaccnnagg	240
gtggnggaca tgtgccnagc ctcattttgc cattc	275

<210> 1050
 <211> 244
 <212> DNA
 <213> Mus musculus

<400> 1050	
ccatgcggaa aaaggcctgg gaagactggg acagtgagcc tgcctaccag catgggtggc	60
ccttcctgaa ggtcaataaa gagtgtgaaa cgtgagcaga gnntgncnat annnancctc	120
ngcnntgatn ngcnngagan ttgggaacat gcacagatgn tngggaaata ctcataggaa	180
agagagatnt gtatgggtaa agagctaaaa gaaagaacat catttttagtt aaaattaaat	240
cact	244

<210> 1051
 <211> 251
 <212> DNA
 <213> Mus musculus

<400> 1051	
atcaaaactc acctgacgcc aaaacacccc caaaanacct accanccatt cctgggggtca	60
ctanccctac canctgatta ncttcccatg caagccatcc annanccaac ntgcccacca	120
ncccggaaga taaacgntca antcgtatta aaaatcacaa ttttaaatgg acattttaatg	180
nacnccccgt agngacgcaa tgatncttct anggccccca aggcccttgg naaataaaaac	240
cttccacacc a	251

<210> 1052
 <211> 105
 <212> DNA
 <213> Mus musculus

<400> 1052	
attctactca agccttctgg aaaggactgt gttgcctttg atgcatggan caaagaattc	60
ttagattttt ctgccaaccc ctgaaaccgg accttgtgat ggcaa	105

<210> 1053
 <211> 384
 <212> DNA
 <213> Mus musculus

<400> 1053	
actgagggtc agtgaaatgg ctnagctaaa cctgagttca atcccaggac ctgcattgtg	60
gaaaaagaga accagcttcc acaagctgtc ttctgattgc tgacagacaca caatcaatca	120
atcaatcaat acattcaata ccattatttg tactattata tttatatttg acacaagggt	180

ttatgctgac	tcaggctgac	cttgaactct	tgattttcct	gotttcagctt	cccaatgctg	240
gaattagagg	tgttatttagc	accactatgc	ttggtatgag	tacatccttt	tgatcaatgt	300
ttgagaagct	catgttaatc	tttttcatt	ctgattggag	cacagcaggc	tcattggacca	360
gtgacacca	gaaattgagc	tgcc				384

<210> 1054
 <211> 395
 <212> DNA
 <213> Mus musculus

<400> 1054						
ctcagggacg	cagctcacta	ggaatctaca	gattaagccg	tggaactcg	gtgaacacgg	60
gaccatgtgc	tttagatcct	acaggatggc	tctctcctgt	ttgagcagag	taaaaactta	120
caggaccctt	tgaagagat	tgtacagtac	ttcacaaaca	acagttgaca	gcagggaggt	180
caaaaacttc	caggccctgg	ctcacaccgt	ggtgggatga	gtacgggaaa	gtttgcgctt	240
cttcattcta	tgaatgacct	acgggtgcca	ttcattaaag	acaatttttt	gnaaacaag	300
tgcttantca	ccatccanga	aagcctttat	ctgggatgaa	naatcttgac	cgttggtgt	360
ggcggggggt	tatttaactg	aacctctttc	aaaag			395

<210> 1055
 <211> 156
 <212> DNA
 <213> Mus musculus

<400> 1055						
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aaganctggt	tccattctgg	ggatcatgtc	ttctccatgn	tgtacctctt	aagttttcca	120
tgatgnctca	aagtaaaagc	tttaagaaaa	gaaaaa			156

<210> 1056
 <211> 225
 <212> DNA
 <213> Mus musculus

<400> 1056						
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gtgccagagc	tgacctgcta	ctctccaaga	gagactcaga	gcctgtgctg	gactcaggag	120
ccttccatgg	ccaggagagc	accctcagca	tcctgccagn	caggagacac	aaacntgtct	180
gtnagcaagt	ggaccacggn	tgtgccgagt	ttgcggacat	cctta		225

<210> 1057
 <211> 102
 <212> DNA
 <213> Mus musculus

<400> 1057						
gggtctacac	aataccctat	gtagcagaaa	ggccgatttc	ttacctattg	gagaacatct	60
gtctctaaat	aaaatctcaa	ttgttccaga	ggaaaaaaaa	aa		102

<210> 1058
 <211> 129
 <212> DNA
 <213> Mus musculus

<400> 1058						
agatcacctg	agactgangt	tnttcacagn	tgtagctan	ccactgtctg	cgcactggga	60
accaaactg	catcttcttt	gaaaacacca	agtcagcttt	aatcctaaca	ctcaggaggc	120
agaggcag						129

<210> 1059
 <211> 275
 <212> DNA
 <213> Mus musculus

<400> 1059
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 tgntcaaata aaaatggnnn tcacctcagn cctatgtnac acgacctcac aaangtggtta 120
 ancagctgga anaggactcg gggacctggg caggctcctc cctgcgacgg accttcagct 180
 tnctcttggg catgaccggn agggacaana ctntttgctg ttttgaaaca aggnctccct 240
 ntgtagctna gactccccctg gaactcacta tgatg 275

<210> 1060
 <211> 231
 <212> DNA
 <213> Mus musculus

<400> 1060
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 agaatcagga gacctcagct ccctgggaaa tggcttcaaa ggaccactt tccaacaagc 120
 caccactcc ataattcaaa taagacagct caaaagatat gtttttattt tgggggaggg 180
 ggagacatgc ataccatcc ctaataaact aaatgcttga aatacagaat a 231

<210> 1061
 <211> 391
 <212> DNA
 <213> Mus musculus

<400> 1061
 aactgaggct ggtgacatgg ctccctgata tccaggatga tatccaagtg gctacaatgg 60
 gcgacatccc aggtttgtgc ccgaatgacg atgtgcctgc tccccctac cagatcccga 120
 gcatccaagg atgaccatcg aatgctcaag catggccatc acccatctcc ccacaagcct 180
 caaggcaact ctgctgggtt gtaaattgct ggtctccgtg ctccagtgga acttgacat 240
 tcttctcatg gttggtccag gagaggccaa agctgagggc accctgcctt ccacccccag 300
 tccagcttga ccttttatct ggagcaacag tgtctagatg atgggtgggt gaggggtgct 360
 atactgtctg tccctctggg aagggttcga t 391

<210> 1062
 <211> 422
 <212> DNA
 <213> Mus musculus

<400> 1062
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 ggttggtttt tctttcttn ttcatcttcc ttcttttnaa aaggcaacag aagagccttt 120
 gccgactctg cgaaaagggtg tcacggaggg gccacccgc cctcccatag cgccggcacc 180
 tgtccaggga cggcctcgtc gngccacagc canatggagt ntttccgat ngggggggg 240
 agggtnttct cttcaagca attattttat ttttttatcg nttttaattt taatcatagg 300
 gcacatatct aaaaaaagta tttttaaaca caaaaaaccc tgaaatgtat atttggatcg 360
 ttttaaggca attgaaaacc ccacctcag tatcccgctt tatatcgata gtcctcccc 420
 cg 422

<210> 1063
 <211> 347
 <212> DNA
 <213> Mus musculus

<400> 1063

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ttgtacganc	tacancngat	tggaaanact	tnnntatnga	nnnganont	tattttggat	120
nnctnnctct	gtgtgcncctg	agagctgcaa	tcctggattc	aggaaagtgt	tcctggagag	180
caagcctacc	tggtgtctttg	attgcactcc	ttgcccgat	aatgagattt	ccaatgaaac	240
aggatgaagga	caagttttctc	agaggatttt	ccattctttc	tacagtgtctc	tcacaaaaact	300
aagtaaaggg	aaaaaaattn	naccggggga	cccccttggc	cattacg		347

<210> 1064
 <211> 405
 <212> DNA
 <213> Mus musculus

<400> 1064						
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agacttccag	cccatccaag	actacataag	agatgtggcc	tcaaagaaa	aaaggagaac	120
gagttggaga	aaagctgtca	cgaccctcca	aatcaatat	atttacagct	tcctgagagg	180
acggcgatgc	taaagaactgt	ggcatnnggg	naannngtct	aaaaaagtgg	gnngcttgac	240
aaccccttgc	cagaaccatc	attgnnaaca	ttggcaaggt	gtgtganctn	gaccgagaac	300
aacacccccc	ntgtgtggtg	tgcccaggac	ccccaccagc	ttgnccttgc	tcccattggc	360
cgagttttga	aaaaggtatg	cnnccaatgg	accaacaaaa	acctt		405

<210> 1065
 <211> 334
 <212> DNA
 <213> Mus musculus

<400> 1065						
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acagcaggcc	tgcgcgggcg	ggcgatntgt	gtacgccgaa	cactacatca	ccatcccggg	120
gggctgcnc	tgcgtgcccg	aacccggaca	aatcogtnga	cacgtgcgaa	ctccagcatg	180
gacaanctga	tgctggggcc	cgncgacagg	cctgcggagc	cgcttangcc	ggggactgcc	240
cccatggacc	aantttactgn	atgcatcaag	gaccnnggcc	ctgaaaaacc	caccccatga	300
tcntgggncc	tgctaatttt	tcaaaaagga	aat			334

<210> 1066
 <211> 344
 <212> DNA
 <213> Mus musculus

<400> 1066						
gaagaactga	gtgtgagccc	tgataactga	gtgtgctnag	tgctgggtctg	ccatgctaag	60
cctgtctccc	aggaccaggt	gacctgtccc	ttcagcttct	ttctcacacg	cagatgaaca	120
ctggacttca	gaaattgtga	aggttccgac	cgctgcagag	gggcttacat	tgggaatggc	180
ccctcttgcc	cctcacccat	tcaagagcat	cttccacctg	ttccaggacc	aatgtgtctc	240
attcccaagt	ggcaattagt	tgtctagaaa	ttcaacactt	ctctgtaacg	ttagactgtt	300
ttgttgtaaa	ttcttgaccc	tggtcttctg	ttgcacagtt	gggc		344

<210> 1067
 <211> 808
 <212> DNA
 <213> Mus musculus

<400> 1067						
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tgcccttctg	ggctctggaa	gctcccgcca	cctgttctgt	naacctgaaa	gctccctggg	120
gtcaccttact	ccatccctga	aangatgccc	tgcactaaat	tctggctcgaa	ctcccagcgc	180
ccacgagtgt	gtgcctgtgc	anagtccact	tgcgttgctg	agttgcccgt	tgtgccaata	240
ngcgtttgac	ccgaagctga	cncagctaga	tgtggatagc	caccttgctc	actgcttggc	300

tgantgcanc	gaaaattggt	gtggtgagca	tcnggggtgcc	ttgctgtatc	tccttcaaac	360
ctacacancg	acattggatg	tggcttctga	nacatcgctg	tgtggacacc	tgaatnttgg	420
ctcctctctg	ttttgttcat	gggcatttga	cataatgctg	gtcactgaca	gcaggnaaca	480
ctgatcctct	gtggantcat	cttcattgtc	agcctgacag	gatttgaatc	accaggaaaa	540
nacntctcag	gtgtgcctgt	naaaaccgtt	ccccnaaaaa	taactgggga	aanggaaatc	600
ccccctgaaa	tnntgggtggc	nccttggnct	ggggtccnc	tgaattgaaa	aagggaaaaa	660
tggaaaaaat	tgaaactgtt	tcnccccctg	ggggangtta	ataaaaangcn	cgcgcccncc	720
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tttactgtna	aacccaaaaa	aattttta				808

<210> 1068
 <211> 156
 <212> DNA
 <213> Mus musculus

<400> 1068						
gactgagctc	aaggtggggg	ccaaagaccc	tgtgttaagc	aotcatangt	caagctgggg	60
atacaacccc	taaaaacagc	acacccacca	tgttttaacct	catgaagaaa	gataaggaca	120
aagatggcgg	gcngaaggag	aagaaggaaa	aaaaaa			156

<210> 1069
 <211> 363
 <212> DNA
 <213> Mus musculus

<400> 1069						
tacaatgaag	tgttttaatt	gcaaccctga	tctttccgag	cttgaagtgg	tgaagcctga	60
ggacagtggg	atagaagctt	cctacagtc	cgtgtgtttg	gaaccttcct	gtaatgactg	120
tggtanaaac	catganaggt	tgtntttcat	cgaactacca	attgngggac	atgataacaa	180
ggaaaatcaa	cgcgtacaaa	acacactana	tagttcaaac	gaaacagaan	agctagaggc	240
cagtaaaactg	tatgaggaca	gnggntactc	atntttcaca	caaagggacc	gngacgatgg	300
catccttatc	ctggagaatt	tcaaaaaacag	tccccaggcc	cgtntgntgg	cattaaaaaa	360
aaa						363

<210> 1070
 <211> 151
 <212> DNA
 <213> Mus musculus

<400> 1070						
aactgagatc	cgtccagaaa	gtgcccagaa	gaaacttcct	cttagaaaaag	ctgaaaacac	60
agtatttata	acactgaaa	ttgtaaagaa	tttgttttaa	atggctgaaa	acaatagtaa	120
aaatgtagat	gtatggccta	aaacaaaaaa	a			151

<210> 1071
 <211> 390
 <212> DNA
 <213> Mus musculus

<400> 1071						
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agagaggaaa	gancaccagg	ggccacttat	gcnnataaac	tgncaggacg	ngtccttnaa	120
gttntggaan	agagngctcc	agtgcatttc	accatcatct	tcacaggatg	gaagctatca	180
gtttgnccta	tggttttatt	tctaggaacc	caagctactt	tcataatgaa	aaaacagaga	240
tggaaaagac	ggtgtctgac	tgctggacaa	gtagttacca	ggngngacta	aagaatatcc	300
tgnngntaca	tccattcggn	ngacatggtt	ccatgtaggc	agactttntt	ntctanagct	360
tttggaaaaa	aggaaacctc	atttcaggac				390

<210> 1072
 <211> 491
 <212> DNA
 <213> Mus musculus

<400> 1072
 actgaggtgt tgccatggtg atggtctgtg aagacagcgt ggttcgggtg gtcgtgcggg 60
 tgaggcctcc caccctaag gagctagaga gtcagcggcg gcctgtgatt caggtgggtan 120
 acgagcggat gctggtatctt gaccccgagg agtgtgatgg gggatttcct ggcctaaaat 180
 ggagtgggtc ccacaatggc cccaagaaga agggcaaaga cctgacattt gtctttgacc 240
 gtgtctttgg tgagatggcc actcaggagg atgtgttcca gcacaccaca cacaacatcc 300
 tcgacagctt tctccagggc tacaactgct cagtgtttgc ctatggcgcc accggggctg 360
 ggaagacaca cactatgctt gggaagggan ggagagcccg gcattattgt acctgaccac 420
 catggaactg tacaggcgtn tggaagcccc caggaaaaaa agcaattcga ggngctcatc 480
 aagttacctg g 491

<210> 1073
 <211> 488
 <212> DNA
 <213> Mus musculus

<400> 1073
 acggcaggtt atgtctgtgc tgagtctctg gagccagatt tctgctgcgn ggtctcacag 60
 nggcgggtaa acccaagcct cttccggctc ctaggaaagc gatgcaggct ggatgtcaag 120
 gattcctttg accaagcttt gctgaacctc aggccagcc agggtttgca ggatccacag 180
 ccattgtttc ttccaagccc ccataactgg gagaagccag ctttggcctg acttccacca 240
 ccaccatttn tgccccacan aaggttccta gtcaggaaaa cctacaacca caggacacac 300
 ctgtgtgttc cacagntctg ccttcttcca cccccagcaa aaaattccct tcctgggagg 360
 aaaccagtag gngacacaaa cacttatgca ccttctccct aatttctggg ganaattgag 420
 cccttggtct ggttacctgn aatgggttata aaccaataaa aatgggttctc aagagttaaa 480
 aaaaaaaaa 488

<210> 1074
 <211> 407
 <212> DNA
 <213> Mus musculus

<400> 1074
 tgaggaagaa gttttggtat gaaggteccct ccctgggggtc tcacttgacc ccagggccat 60
 ccaagcatga gtctctcagc aagaccacct caaagaagac taggaaggaa gacagcatcc 120
 gcctgaggtt cctgaacggc cttctctaca aatcattgac ggaactgctg tgcactcctc 180
 aagtgaagca ggaggtctac gacctgaatg tggagctgtc caaggtctct gtgacttcaa 240
 acttctcagc ctgccgagtg tactggaana cgggggtctc tgccggagcaa aacaagcaca 300
 cggagtcggt gctgcanagg agccgctgcc tacataaggc atcttctgat atctcaacaa 360
 accctgaaaa atgttccacc catagtgttt gttcaagaca aaaaaaa 407

<210> 1075
 <211> 170
 <212> DNA
 <213> Mus musculus

<400> 1075
 gcggatggcc atacttacat gtgtgggtttg aatctgccag nanaaaangc taaaccacat 60
 gatgtacnna ttaacatcnn atcatacctc cgagtgcac caantacaat aanaccggc 120
 agccgcaaaa atccctgact tccccctcn atnacacaaa attaaaaaaa 170

<210> 1076
 <211> 233

<212> DNA

<213> Mus musculus

<400> 1076

agactgagga	gcctgagggg	ttcanacgga	ggccttgaat	ctcctggagc	tgaactgcct	60
gacatgaatt	ctgggaagtg	aatttaggtc	ttccanaaga	gcagtatgca	ctcttaacca	120
ctgagctact	catttttgtt	gcaggcgctt	gcaatgaggc	atccgctgct	tctggtgctt	180
ttcagcgact	ggactaggtt	tctcctcgtc	ctttccctcc	tgaaaaaaaa	aaa	233

<210> 1077

<211> 511

<212> DNA

<213> Mus musculus

<400> 1077

cagacataat	tgttttgtct	gataatgagg	cctccagttc	ccgatccagc	tcccggatgg	60
aagagagact	caaagcagcc	aacctagaga	tgtttaaggg	gaaaggcatg	gaggagcggc	120
ancagcttat	caagcnaactg	agggacnagc	tacaattgga	aaaagctcgc	ctggtgctgc	180
taaanaaact	gagacagagt	cagctacana	aagagaatgt	ggtccaaaag	actccagttg	240
tacagaatgc	agcatctatt	gttcagccat	ctcctgcaca	tgtgggacaa	caaggcttat	300
ctaagcttcc	ctcccgaacc	ggggtcgaag	gaattgaacc	tcaaaatatg	agaacattac	360
agggtcacag	tgtcatccgt	tcaagcaacc	aacaccaccc	ttccacacat	gttgatgtct	420
caacgtgtta	ttgcccaaact	ccaacccaac	tttanggccca	gcgggggtcca	ccgaaacctg	480
ncattgtacg	caccacacac	ctaacatgaa	t			511

<210> 1078

<211> 209

<212> DNA

<213> Mus musculus

<400> 1078

tctctaccct	ccagagctct	cttgagtgtc	gaggettcgg	netgacttgc	agccgctgna	60
nagataacgc	ctgagtcctg	aattgcttta	cctattgcan	gttaaaagnc	tacagttcaa	120
acaaaaaccc	tgactgtctg	agaagcagca	tcaatctgca	gaagcggcct	ctggagttat	180
acacagataa	ggacacagga	tgaaaagacg				209

<210> 1079

<211> 471

<212> DNA

<213> Mus musculus

<400> 1079

cacccctcag	atctgtcttc	aaaaggcttg	ttcaagtgcc	aggagtggcg	gagcacgttt	60
gtgatcccag	cctttgggag	gtggaacacg	aaggatcgga	agttcaaggc	cctcctcagc	120
tattatagca	ggcagtacat	tccgtgttca	ccgtgtgcca	gctgacggnt	ttcaggtgag	180
ttgttggtc	attggccaca	cgctactctg	agccaggnga	tgtggtcatc	tccatttcat	240
ggatgcacgc	tgcaaacctt	gtgttctttg	ggaanacaat	gtaagcctga	ggggaagtct	300
antaaggcaa	naggctaggg	gtgaggaagg	gctgaaanag	ggaactgaga	tccattcgaa	360
actgccatgc	aaactataaa	gtatcctgng	tgngtcttta	cacgtgccta	atggncttc	420
attananaca	actgggtttc	gcactgccac	ttaacattgc	aaagtcactt	g	471

<210> 1080

<211> 332

<212> DNA

<213> Mus musculus

<400> 1080

aactgaggaa	tcagagactc	agccaattgg	atgtccgaag	actcgggagc	agggagggaa	60
------------	------------	------------	------------	------------	------------	----

gcgaaggang	ggcngaagat	gntnacancg	cngncngngn	atgnnctngg	aggncccgnc	120
tcctcnccttt	ctataatctg	gcggnnctta	antgnatnac	caatnnnate	gggcctacct	180
nccgagctga	ccaatgggag	ccggaagcgt	tggccaggcg	tgagggtcgc	gaggcggcgt	240
atggcgagcg	cggtgctatt	cgagtttctg	cacaccgaga	tggtggcgga	gctgtggggc	300
ccggaaccgg	accaggtctc	gggggggagc	gg			332

<210> 1081
 <211> 160
 <212> DNA
 <213> Mus musculus

<400> 1081						
aagaactgtt	accgaantc	gtgcaccttc	agtccgaagg	ttacctctgc	ctccgaggcg	60
tcaactgccc	ccctctcctg	accggaactt	gcccggctga	caaatccaga	gattttgaag	120
agttntganc	caccactgct	nagctacaaa	aacaaaacaa			160

<210> 1082
 <211> 435
 <212> DNA
 <213> Mus musculus

<400> 1082						
cgtctacgct	cctctntana	ctgaggtaca	gttaaagaat	ctggtgcaaa	acacaaggga	60
cttattgaaa	taccagcct	ttctgaagaa	aacgaaatca	atgacactga	ggtgaacgtg	120
agtgaaaaga	aaggagatgg	ggaaatactg	aaggatctca	tgagaacgac	aggcaccgcc	180
aaggncaggg	aggcccttgg	agagtacctg	aaggcactca	agacggaatt	tacaacagga	240
atgatnctta	ccaacaaaag	ctgtagcaac	ccaaggaact	tgactcttca	ccagggaac	300
tgagatgaaa	acaaagcntg	caggctttct	tcccaggagg	tcactggggg	gttgaaggga	360
ttcccacagg	nagccttttg	gnacctttgn	ancannaagn	ttggttttgn	ccaccggacc	420
agtcaggaaa	cccag					435

<210> 1083
 <211> 210
 <212> DNA
 <213> Mus musculus

<400> 1083						
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ggcatccata	tatcgtagct	cctcgatcag	agaagatcct	atactttcta	ganaatagga	120
acntccgaat	anagaacctt	gcagaaagct	cagacgntct	nacgtncnga	ggaagcgang	180
ttgaggtgcg	tgggacaaaa	gaggagagaa				210

<210> 1084
 <211> 322
 <212> DNA
 <213> Mus musculus

<400> 1084						
cgtggtgact	attccacttt	catttggaag	gaacacgcat	cctgctggct	ggaatgcggc	60
tatatcatca	atcaactctg	ctcatccagt	tacatccctc	gggtcatctc	tgcccttagc	120
tagcccatag	gnnggctcgt	tttacatcta	gaagaggaga	ggaacctcaa	ctngangaaa	180
aatgcctctg	taaagatcaa	gagctagtca	tgccaaagcc	cgngtnaggg	catcttatta	240
natntacttg	gaatagatta	ngngggggag	agggcccctg	ccccattgan	ttngngnttg	300
tngcccattc	ccttagagct	ag				322

<210> 1085
 <211> 109
 <212> DNA

<213> Mus musculus

<400> 1085

atgaactgag acattgtctc atgtagttcc ttctgtggac gtttggagtc aagaagtcaa	60
tcgtttctgat aactacagat tggattccta aaggtgcaag aaaaaaaaaa	109

<210> 1086

<211> 279

<212> DNA

<213> Mus musculus

<400> 1086

gaatgtcagc gggacatccc tgagcagcac cgcagcgcan atgtgcacag atgaggcagg	60
aggacggcag gtggagtaag ctctctgatg atgtcactca taaaaagcaa gccacgagcc	120
agggttggcga catagctcaa ggggtanagt gtcacggag gagccgcagc gaaaaccctg	180
ggttcttcca tgcccagcac cgtataatcc aggtcctgtg ttnaaatccc anaaaccaca	240
tgggggntca caaccctttg taacgagatc tgactccct	279

<210> 1087

<211> 471

<212> DNA

<213> Mus musculus

<400> 1087

ggactattga gcaagcgttt aagccccag ttctgagcca tggcctctgc agtcctcagc	60
tctgtgtctc caactgcctc tcgctttgcc ctgctacaag tggacagcgg cagtggctct	120
gattccgagc ctgggaaagg caaaggccgg agtaatggga agtctcaaac tctgggaaac	180
aaagcaacct caaatgagaa gaaacgggag aagagaagaa aaaagaagga acngcggcan	240
agtgaagcaa acgagctcag gaatcttgct ttcaagaaaa ttccccagaa atcctcccat	300
tccatttgca atgttcaaca tgagctttca tcgccnaacc cnacncaaaa agngtcccg	360
ggaanaaaac tggcaagaag nggggaccgg aangatgaac cgctgacctc tgaaatgttt	420
gaaaactgacc ttgaaaaagc gttgctgttg aataaactgg agtatgaaac c	471

<210> 1088

<211> 283

<212> DNA

<213> Mus musculus

<400> 1088

gactgagaga caaagccctg aagagtctgn aaatgagtcc gcattcttta gtcattgagct	60
ataaccctga gttttggcac agacctgatg gcttgagcct gctgatgtcc agtgttctgg	120
aaatccagtg cccatagatg tggactaagg aagagcccg ccatggtcac tctcatcaca	180
gagaagctgc agaaccagag tttggatgac ctcaccgcga gggcctgtga ggctggcccg	240
tattntgctg agaantgaa caaaagnggc catttgcttc ctt	283

<210> 1089

<211> 369

<212> DNA

<213> Mus musculus

<400> 1089

actcgaggga cacatgcctg tgtctcacia nntgctnccc tgccctotact ntgtgaattt	60
ncctaaactct ntaactctga ttcatcttaa ttactcttc cctgtagnnt gtgtgtaaag	120
agcccttaaa gcaatatggg ggagggtann agntgagagc cngtggcnng canngcctaa	180
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tccatcctct cccctatttc taangaaaca gtataacttt gggaaatgga tgattccatg	300
tttaagaggc ctgnnattgt atacttgga tttctgattt cagttctaaa attctgtccc	360
ttcgtcata	369

<210> 1090
 <211> 164
 <212> DNA
 <213> Mus musculus

<400> 1090
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 gactatactg atgggcctng cctgtaaaaag gaacaatatt tttctttctt tttttcatgc 120
 caggttatta aagatatagt gaactgaaag ttcaaaaaaa aaaa 164

<210> 1091
 <211> 384
 <212> DNA
 <213> Mus musculus

<400> 1091
 ggctgtctct gccaggaagt cacgctgaac aaacaggtga acttcancaa acagaccatc 60
 gcggggntct ncaataaaac ttttncaaga cnttnnnntg tagnnncaca nnaacagaat 120
 gagaccctgn ccccgctgga gggngagatc actcagctgn ccaaactcag cggccagatc 180
 caggagacag ctcaagaagcc ggacctagac ttctctcagg agttcaaaaag cacactgagc 240
 aagtgcagca gcgtgcccag ctccaagcca accacagnct catctgagat gaagaataaa 300
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 gatctccagg gagagctgga gaaa 384

<210> 1092
 <211> 368
 <212> DNA
 <213> Mus musculus

<400> 1092
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 gctaaccacc tgtgccctgc tgtctcggag cacagaggac caggagccca ggccacgagg 120
 cctgcctgca tcacaaccag actgtagcca ggagaggctg agctcaatgg ttctgcagaa 180
 cgggtggaagg agttcggccc agccttgccct gaggtgtatc tcggggggagt ctggncattn 240
 taatcntacc naccatcatt ataagannca tatggnnctg nngaaatggc taacgggcnt 300
 aaaangcnta ctganctttc taaaggncnn atgtnanaaa ccactaccaa cctgggggggt 360
 ttccacac 368

<210> 1093
 <211> 338
 <212> DNA
 <213> Mus musculus

<400> 1093
 gcagccgact gtgaagaaga aaaagaagat ggattttactg aaacncatgc aggaagagcc 60
 actttncgag gnggagccnt gtnccagnac nncatntcct agnccngaga anaagaagaa 120
 cangaaaang aagagggnng ctntgnacta atgaaaagga accatngccc tgtncnccan 180
 cncatnntgc ttacgattna nttgggagca nagnncatca gatgctctca tattatcccc 240
 ggaggttgaa tatctaactt ttcaagcctt tttgtgtctt gacatcaact gttgacctta 300
 gtctttgata cacaaataaa atattttctt tgtattat 338

<210> 1094
 <211> 373
 <212> DNA
 <213> Mus musculus

<400> 1094
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gatcgactaa	nctcttatac	tttctaaaga	anaggacctt	ncgaatcgga	actttcaaaa	120
gctcgacctg	nacgtcttct	aaagagagag	ggctggataa	anggaggnnn	gnggcngggg	180
naancnaggn	ngtcacacac	tnanncanna	anccctccta	anggagnttt	ccaccatntc	240
ctgaggctgc	actgcctgag	agccactgac	tgccttacct	atgaggctcc	tgggctggag	300
ggcgagcaca	aggagtggg	actgacttca	aggttggaga	gaagcgcana	cccnagggt	360
cgtggtgaaa	gcc					373

<210> 1095
 <211> 141
 <212> DNA
 <213> Mus musculus

tgtaaatgga	tatacagatc	cttctgcgga	ggaattgaga	aatctaata	tggtgcatgg	60
aggtcaatac	catgtgtatt	attctagatc	caaaacaaca	cacattattg	ctacaaatct	120
tcctaatagcc	aaaaaaaaa	a				141

<210> 1096
 <211> 279
 <212> DNA
 <213> Mus musculus

gttttgctg	gataacgaca	ngaagatggt	ggcaggatcc	cccggaagtg	atgttacaag	60
gcactcaact	gncactgnca	agggcngggc	aggccatcct	tccgagccca	tgggagccgg	120
gaccactaag	actgctgggt	ggaanaagtt	gggtgctggg	ctgatgggct	ngctttctnt	180
tggnccttcg	ttgtaatgng	gctggcccat	gttggtttta	tgtttaaatg	tgcgcttata	240
ntaanaaaga	gccccccaa	gctgtacatt	tataaaaaa			279

<210> 1097
 <211> 300
 <212> DNA
 <213> Mus musculus

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ttcctnaaaa	anaccaacng	ngggaccgac	ctttggccac	tcacaggag	gnngaagcac	120
ttgctatctc	attccctaag	gaccaatcan	tttaaaagtc	tcactgtttt	gccaatcaca	180
tngggcctan	actctggggc	ttnattccgc	tcctggaaac	tgtnaaaaaa	ctcatnanng	240
ggccgccttt	cnttnggggg	caggacaccc	ccagcntgct	ggaacaaaaa	attccttttg	300

<210> 1098
 <211> 152
 <212> DNA
 <213> Mus musculus

tccttcacaa	aaaaatctct	acanggatgt	gatgctggac	acctacagga	acctcactgc	60
tataggttat	aatgnnggana	gaccatattt	attgaaacaa	cattgtcaaa	gttncanaaa	120
cacntgggga	ggcttttttt	catgtcccaa	gt			152

<210> 1099
 <211> 284
 <212> DNA
 <213> Mus musculus

gggggccaa	cacatcacaa	cacctgggtg	ggtgttcggt	ttttctccaa	agcttctggc	60
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tgnnctccgc	caaaaactgn	aggtgctggg	tcaggaaaac	tgccttgtgc	aagcttactg	120
gggaggcanc	acctcgaaaa	caagctgcaa	acanacggca	gccaggccag	ccgntttttc	180
aaccagggaa	aaantanagc	cngttttttt	cctgcaactt	atcaagtcnt	tcaaaaaaag	240
agganccaaa	angaggggat	gaggnccatt	tgaaaataaa	aaaa		284

<210> 1100
 <211> 302
 <212> DNA
 <213> Mus musculus

<400> 1100						
caaattgatcg	cctcctgtac	tggagctgtc	ctgacatcac	taatggggaa	aatttatgat	60
cccggggccaa	attatgtanc	ttngattatt	ctatcaaagt	tttattatnc	tggnaaaaaa	120
gtgatgnana	ttttgagggg	gtggcggcgg	agggatccct	ccncattgc	acaanaannc	180
atngtttcgg	ttatttgnag	nnaccggggn	gcattganng	aaaaccccg	gcctatgntn	240
nntaaaaacat	ttttcttcac	aaaaagaggg	acaanaaagn	ncccttggg	atcggggccc	300
cc						302

<210> 1101
 <211> 334
 <212> DNA
 <213> Mus musculus

<400> 1101						
aacatgtgcg	ccgttcnctg	ccagagctgg	cccancacan	gggtgacatg	ccagagatgg	60
gaagagcana	gccagggccg	ntatatacac	cgngggagcc	cccttgcant	gcttganaaa	120
acttgggagg	acaacaagng	ggtnccttcc	gtaagngagg	aaagccttgn	tnaaacaggc	180
catnattttc	cgggaccaca	ntgaacccca	ttgcccaaag	gcccaacaag	cangcaatng	240
cngcccgenc	ttncctcctt	gtaaccaang	gagggaacc	tggngnggtt	tttgggtttc	300
cgggccatt	ttttttttt	ccacctttgg	gttg			334

<210> 1102
 <211> 138
 <212> DNA
 <213> Mus musculus

<400> 1102						
ggggagccgt	ctccgtcttc	ntccctccnn	cacaatgaga	gttaatngtt	gnngntggcg	60
acnccctcag	cctgacngtg	nattgatccc	ntctttgaca	gntggacttt	caaagaccnt	120
atttcaaatt	aaggtggg					138

<210> 1103
 <211> 239
 <212> DNA
 <213> Mus musculus

<400> 1103						
tatgcacca	gggggggacg	atgaaaanaa	tctatnnnga	nectncaan	aacaccngtg	60
ggagcacaat	agctganatt	cgaaggcttg	nggattgana	ttgaaaaact	tgaggtggc	120
ttgcaccaac	aggaacttgn	tgagatgaaa	gcacaacctg	ggagttaacc	atggcccgan	180
atgcggnaaa	ncctgnaaac	aggancggna	tttggttcat	cgccgagggg	aaagaaaca	239

<210> 1104
 <211> 136
 <212> DNA
 <213> Mus musculus

<400> 1104

tttttttttc caagaattta aggtctctga catattcatg gaagtgtgc caaatccccg	60
ggtccccgat taaaaaaaaat ctggggggga attttaggga atatggntng tttccggnaa	120
atatgcgagt ccatca	136

<210> 1105
 <211> 256
 <212> DNA
 <213> Mus musculus

<400> 1105	
aaagacatcc tgaaancttc tccagnaaag agcccaggca cacggcctga atatgaggcn	60
ggcgggaacc cccttcataag ggaaaagggtg gcccancan ancaactttg tgctgnctgt	120
ggccgnagng cttcgttggn ttgggncaac gtcggnggtt tcccgtccct tntgntanaa	180
aaagggggga ggggcgtnc tcaatnccgt atttttatct tctntttggg ngagccngcc	240
ccgcctgtgt tttttt	256

<210> 1106
 <211> 297
 <212> DNA
 <213> Mus musculus

<400> 1106	
gcaagaaagg ccttctctgcc gagcagggtg cgggcttgat ctccnacnct gggtnntagn	60
gngganaang ccnctttntt ttctgaaaag nggaagcaaa acgcctcccn ctgacacagg	120
ggggccatgg gtaaacccct tgggtggttac cacctgattg aatggggggg gggtttgnaa	180
tgacnntctg gnaccaattg aattaaaaaa ngggggaagc ntttttttnc agttaaaagtn	240
gggggggttaa aaanggaanc caaccctgaa aatttggttt taaaactaac ctgccc	297

<210> 1107
 <211> 282
 <212> DNA
 <213> Mus musculus

<400> 1107	
aaaatgtgct atggaggcta aagaatggna cttcttaaag aaaatatttg cttnttgcaa	60
ncgacggagt cagtnaaanc anccagtngc aaaaagggtt caccagggt gnettacng	120
gggggaataa aaacctgcca ntcaagctgc aatggattga nctctgcggg nggttncaaa	180
nggaaanatt ttgttgaaat tgagcgtgct cggctgacta aacccttanc nctattaaaa	240
gancaaaaagg gcgattgtga aaaaggctgc ctctctcttc aa	282

<210> 1108
 <211> 231
 <212> DNA
 <213> Mus musculus

<400> 1108	
atcttctttt acttcgggat ttctntntt tattntnttt tttttctntc cntggtctntc	60
ttntnttgna atctnnnnt ttttantcag tattganaan acagccacgg ctgtggccca	120
ctgcaaacgg ggtaaatggg ctcatcaagg tgaacggacg tccctggag atgatcgagc	180
cgcgcacgt gcagtacaag ttactggagc ctgttttgc tctgggcttt t	231

<210> 1109
 <211> 142
 <212> DNA
 <213> Mus musculus

<400> 1109	
ggaagggaag gttctctcaa cctgctcgct gctcctatga gatgcctgtg gagttotgag	60

tctgtgtggc taaaaccatg aagttctgat taccgaaaca gtgctggctt gatggaagat	120
ctgtctggag aggttatata ta	142

<210> 1110
 <211> 429
 <212> DNA
 <213> Mus musculus

<400> 1110	
agactgaggt tttgtggagt cggagctgaa gaagattctg tcagtgcac gagaggctcg	60
cctctggaag gtgggcaacc ccgagggccg ggagctgctg accagccag acatcacact	120
ggaggaggct ggcattggtg acggccagca cctgctcctg gaggagatgg acgagatggg	180
aaactggccc cctccagatt gagggccgtg ccggcaggag cccaccgtgc ccacactcct	240
gggacccag tctggcgtgt gcctcttctt gggacacatg caaggagtcc ctgaggccct	300
gngttttggg atgaagtaac atcctgtgtg tgtgcgggtg gctgctctgg cacttgtccc	360
taccccgctca gactcctgca gatgacgtta ttaataaaaa gcttagtttt gacatttcaa	420
aaaaaaaa	429

<210> 1111
 <211> 207
 <212> DNA
 <213> Mus musculus

<400> 1111	
atggagtatg ccttgtntg ccagaccanc ccctattatt gcattgtgtg accctgtngt	60
gnnanannnc tttntatgca tcctgnncaa nntcttnaag gggccanagc cggcgccctaa	120
ctcgggggtcc atcacttggc tcantggatg accactttgc caaaacactt aggtgacaca	180
ttggcttttag atcaaaagca cccaaga	207

<210> 1112
 <211> 147
 <212> DNA
 <213> Mus musculus

<400> 1112	
gtatcctgtt ttatatTTTg gtctttgacc cgttnggact tgagtTTTgt gcagaggaat	60
aantanggat ctatttggat ncttctacat tctgacatcc agtttgacca tcaccatttg	120
ctgaaagaag cgtgcctttt tttccag	147

<210> 1113
 <211> 127
 <212> DNA
 <213> Mus musculus

<400> 1113	
aaaactccat gagcctcctg atacagngtc agatgacgac aaagaccatg gaaagaaaaa	60
agggaaattt aagaaaaagg agaaaaggac tgaaggctac gctgccttcc aggaagacag	120
ctctgga	127

<210> 1114
 <211> 107
 <212> DNA
 <213> Mus musculus

<400> 1114	
cagcctggcc tacattgnga aacctcattt cgggaaagtg aaatactttg tcaattaaca	60
tgcaccngg ttcaataaag acttttggaa agtgtcaaaa aaaaaa	107

<210> 1115
 <211> 173
 <212> DNA
 <213> Mus musculus

<400> 1115
 ggctggccta cgttgntaaa cctnntttng ggaaagtga nnaactttgnc aatttcacgc 60
 agccggctca ataangactt tnggaangtg tcaaaaacta tncntggcta aanaatgggc 120
 ctccccctctt ctttataaag cgtggttgct gacattaaaa ttgaactttg atc 173

<210> 1116
 <211> 162
 <212> DNA
 <213> Mus musculus

<400> 1116
 taattacttc ttgtggaact ctcaaaggnc ggacaggaaa aaaaaaggag ccctaaangg 60
 accggggggg ggggggnttt tnncccttngg ncacaaaana ncccccttn tttntnnggt 120
 tgcccngatt tcccttngta cctcccgcaca tttttgataa aa 162

<210> 1117
 <211> 306
 <212> DNA
 <213> Mus musculus

<400> 1117
 ctgaggtaca ccaggggttg gaaaaaccca ctaggcanag aacttgcac aagatcaggc 60
 ctgaagtacg ttaaccgttg ganatctagc tgcagaaggg cnntnatncg gacngctncg 120
 angnngagta tngntgnccc attctaaann aggatagggn tgcccatnag ntagaacatc 180
 tcntgcagga ngnnnggggtg acatgaatat taccocggag tgtntacttc ttccccngca 240
 gctgggcctn tataatgtgt gagagccgat naacaaaatg aatggtingta ttgtttacac 300
 cacctg 306

<210> 1118
 <211> 162
 <212> DNA
 <213> Mus musculus

<400> 1118
 ttgtggaact ctcaaaggtc ctgacaagga agcatnngca gntcananaa aggggcagcc 60
 tggcctacat tgaaaaacct cattttggga aagtgaann ctngtcaat naacaatgcg 120
 cgatggttca ataangactt ttggaaaggg tctcaaaaaa aa 162

<210> 1119
 <211> 215
 <212> DNA
 <213> Mus musculus

<400> 1119
 ctggggggggg aggaaaagac nccccggagn ggganatttt ttttgagaca aaagatgtnt 60
 tccagctgaa anacctggag aagcttgctc ccaaagagaa aggcataccc cgcctgtca 120
 gtgaaaggaa gtccttcaac cctattggat gacgggttg ttgactgcaa aaggatcggn 180
 accnccaatt actatgggac ttttcccgag caggg 215

<210> 1120
 <211> 153
 <212> DNA
 <213> Mus musculus

<400> 1120
 tgggatgccca ggtctgtacc aacacaccca tttnttgtgt gagtccatca cangtgagca 60
 aanaccgaaa gnaggcagnt tttnttttgt ttgggggggag gaangcttaa cggcccgtga 120
 aaanaagngg ccaggggttt gtgcaaaagcc gat 153

<210> 1121
 <211> 304
 <212> DNA
 <213> Mus musculus

<400> 1121
 agactgagat gtcaaaaaag attggtcggg ccatgctctc tgggtgggaaa agaagaggac 60
 ttggctgctt aagacacact ggaccttgga taagtgtggc atccaggcag atgccaagct 120
 ccagttcacc ccgcagcaca aactgctccg cctgcagctt cccaacatga agtatgtgaa 180
 ggtgaaagtg aacttctctg accgagtctt caaggctgtg tctgacatct gcaagacttt 240
 caatataaga caccctgaag aacttctctt cttaaaaaaa cccagagatc ccacaaaaaa 300
 aaaa 304

<210> 1122
 <211> 219
 <212> DNA
 <213> Mus musculus

<400> 1122
 aaggccctgt tgggggtggg tgcngnctag agnggaaaca atgacncctt tgagnggaga 60
 aaccttttga tntctgtgng caacacggat cacaacaatc tgggggtgggg gctgggggtc 120
 tgaacctgcc cttttttttt tgtagggac cttcttaaac cagtcaaggc tgccagaaaa 180
 acctttttta aaacaatggt gcaaaaaaca cacacttgt 219

<210> 1123
 <211> 240
 <212> DNA
 <213> Mus musculus

<400> 1123
 cctcccccaa caaggccatt tgtgncccn cctgtaaaa anggatnatn atgangaaca 60
 ccngtggac canntnatca cccggtctgg ctgtgctccc tccctctttg caaagcaaag 120
 attgnntggc ccaacaccaa nactggcccc agtgccancc cngaagggtc aggccttnaa 180
 aggattgtnt gattgcccac caggcaaaac ggggggagga gctgccaagg aaaaaaaagc 240

<210> 1124
 <211> 287
 <212> DNA
 <213> Mus musculus

<400> 1124
 aagggcaagc agcgtggctc aagccgctca cctgcaagcc ttcgtcagcc ctgtagtcaa 60
 gaggaagcca gcagcttcac tacgtagtgt ggaaagagat ctgtctggtg acatcggacc 120
 agcgtgcttg tgagatacat gtgcatgtgt gcaagatgac gggaggaaga agcaagggaat 180
 gttttaagga atcttcgtgt gtagcagagt tttctctggt gactcgcaat ctatctctcc 240
 tgaaaccagt aaatgaatta aaatgaatta acttaaagca aaaaaaa 287

<210> 1125
 <211> 180
 <212> DNA
 <213> Mus musculus

<400> 1125

cagtgtctaca	gtcacaggac	acaaggacgg	natgtctggca	catgntngnt	gcnacacagg	60
atngngctatg	acatncntnn	tnncatgcac	ccgatgacac	ttctcatcac	ttttccccc	120
ggntactttct	ttgtctncc	tngctgaatt	tatgtaaaac	gaagtgcac	atttaatat	180

<210> 1126
 <211> 304
 <212> DNA
 <213> Mus musculus

<400> 1126						
gtccacgtaa	tctggggaaa	gcagtttctc	tggaaaagct	ttgcttcta	caaacacgcg	60
ctttccctga	ggcctgcttg	cagccattgg	acacttggtc	tagtgtgtgg	atttctatgt	120
cttctgtcgt	aacanaattg	tctctgtgcc	ctgtgattgt	tttgggtagg	gacgctttgt	180
atccttgtac	agtagtcttg	acgattntcc	tcccctacgc	canttttttg	ttgngnttg	240
ctatctaaaa	ctggtatatt	tttctgttgg	ctaaataaat	caaagatttg	gaacttttaa	300
aaaa						304

<210> 1127
 <211> 286
 <212> DNA
 <213> Mus musculus

<400> 1127						
caactgaggt	tggggattta	agagtggaa	attgccaaca	gctgtggcct	cccatgaggg	60
tgtccccttt	caagttctca	gaacggacgc	aggactgcag	atctgtgctg	gcagcagcag	120
aggctatatt	cccagaggag	tctccagccg	gcctgaaagc	aaatatccta	agtgacatgt	180
ctgccaattt	tggtctgggt	gggcacattt	ggtaatcctg	tctgtaccac	aggatcttct	240
atgcctttta	aaaataaaca	tttgtttata	aaccagaaaa	aaaaaa		286

<210> 1128
 <211> 118
 <212> DNA
 <213> Mus musculus

<400> 1128						
gattaaggcc	agactgacct	acattgagaa	acctcatttt	gggaaagtga	aatactttga	60
aaattaacat	gcancnggt	ccattataag	acgtttgttg	aaagtgtcaa	aattaaga	118

<210> 1129
 <211> 110
 <212> DNA
 <213> Mus musculus

<400> 1129						
gtaagggtttg	ggctgatgta	aatcctgnac	aaangncata	attacttntt	gtggaactnt	60
nanaggtncg	gacaggaagc	ctggctgggg	tcatataggg	tgccctgccc		110

<210> 1130
 <211> 324
 <212> DNA
 <213> Mus musculus

<400> 1130						
ccaactgagc	gtcctgagaa	caaaatccta	cntctgtcag	cctgtgggan	ggagganaga	60
tcatggnttc	tgagcctgtg	gagagacccg	agagccccct	gcccttaaa	ggcacacctg	120
gagtcccca	ngatcaatag	gaggatatntc	tgggcagccg	ntcctatcct	ncagctgtcg	180
gnaatcnccn	gancangaa	canaacacgc	ctcccaagnc	tcctcataga	gagctgggtg	240
cctgcaaggg	ctctggaana	nctgnaccca	ccgtgagaag	ctctcccact	cantgcggaa	300

tgagccgagt ggtaggagc ttgc

324

<210> 1131

<211> 344

<212> DNA

<213> Mus musculus

<400> 1131

gaactgaggt	gggtctttc	acctgaagct	ggccagtttc	ctgtgccaaa	gccttcgacc	60
ttggaaagag	cagcgagtt	ccaaaccaa	gtcttggaag	gaggagggac	catggttcaa	120
acctgtaaca	aagaggcctg	ctgtccagct	gccgggctcc	cttttggcca	gcaagcaagt	180
caccctcca	cctgcagtgg	caccggcct	ctaggagctg	ctgactagcc	tggtgagtt	240
gcttctaagc	cttccaagcc	tgagtacaga	gagaagcctg	gggaggagac	agctgtgaaa	300
gagcaaggat	agtccacctg	ccccctacc	aagttttgga	cgtc		344

<210> 1132

<211> 315

<212> DNA

<213> Mus musculus

<400> 1132

gctgtgaaaa	gagctggagt	ccatctctgg	aggggctctg	naacctganc	acagangtgg	60
ggcctncgca	aaagttagga	ctctgactac	ctgnnagacc	ttncaccaa	gtggcactga	120
atagctcgag	tcatctttct	ttaaacaatc	tttctttaa	caatcacaag	cctgctcca	180
ggagcagtga	tatcattgg	tattctactt	aatgaaatca	taacatcagc	attataaaag	240
ccccatcact	gtaaaagccc	tcaatagttt	tccttcctcc	ttcccatctc	ctgctatcga	300
ttgaggaatg	taagc					315

<210> 1133

<211> 322

<212> DNA

<213> Mus musculus

<400> 1133

gaagaggggt	ctttcaccac	cagcccaagn	actctcagct	gctctgcaga	agacacttcc	60
ctgcatcgcc	ggagtcccca	aagatgtcag	ccactgagtg	tccagttccc	cnngctgggg	120
agaggagnng	ggnggccgga	gaggaggga	ccntgggnag	aaactgngan	gggtcctcat	180
ggttgcattt	cgcacccttc	cctantgtcc	attngtctgt	ctgtctgctg	tcntgtgtt	240
tgtagctttc	aggttttttt	tcctttccct	ttttttgttg	gagttttgag	acntttttgt	300
accnggggga	ttttatttat	ca				322

<210> 1134

<211> 181

<212> DNA

<213> Mus musculus

<400> 1134

caggaagaat	tgagagaca	ttcagaagga	ctgcaaaagg	ccgacgaagn	ggctcagcgg	60
ataaagggtg	ttcggtacca	gccggagaag	caacttccca	gagttatcct	ctgagcttca	120
cacataacat	ctctcccctg	cacaccatac	aatactaata	aatattttta	aaaagaaaaa	180
a						181

<210> 1135

<211> 277

<212> DNA

<213> Mus musculus

<400> 1135

tccaccagaa	ataccnccag	acccagggttg	ccctcagaag	gaaccaggct	ggctgatggc	60
atggcagacc	tgaaggtatt	gcttttaaag	gagggaatca	ggcctgaggc	atcaggcctg	120
aagggctagg	caggggctct	gccaggagg	gccctagcca	ggcctcagag	cctcactgga	180
gggtagtc	at	gggctaagg	cccaggctga	ctgcatttcc	actcccttcg	240
gctatcaa	at	aatatagaa	aagagccctc	ccccgcc		277

<210> 1136
 <211> 275
 <212> DNA
 <213> Mus musculus

tccctgactt	tgttttcact	gagaaggagg	gcattgntga	tggcagctgg	gccctggctg	60
atgtcntgag	ccagctcang	angangcggg	cagccactac	actagatgng	aagattgnga	120
angnccggaa	gagaaggatg	gctgnggact	nggangccna	gtctggggang	gtggngngna	180
atganggcca	ggcagactct	gncctgangg	ggcnggnnan	tccgggtgag	gatgaggcag	240
gctccaagga	tgaagactct	gagactgact	actcc			275

<210> 1137
 <211> 128
 <212> DNA
 <213> Mus musculus

ttgaaacccc	tgagtggntt	ngggctgagt	aaaacctggg	cannggccat	aattacttat	60
tgttgaaatc	tcaaaanncg	acaccannaa	agcatngcta	ggttccttnt	ttttataaat	120
cttaacct						128

<210> 1138
 <211> 142
 <212> DNA
 <213> Mus musculus

tggagtgtgt	ctgtctnaag	tgtattaatg	acgcctgcc	cnangtggtg	ggaaagtccg	60
tgaactncn	atcancaggc	taggtagtga	tggctcantg	gttaataacc	accgactgct	120
cttgataagg	tcctgacttc	aa				142

<210> 1139
 <211> 231
 <212> DNA
 <213> Mus musculus

gttaatgaca	caggcacagt	tggaagaggc	tcttnactgg	cagttgangc	cncttaaggc	60
cattnaagat	gcccccntt	ntggaagaac	gaaagcccat	aatgncgtt	ttatctgggg	120
ataanatctt	ggaagggnac	agaaacnaac	caatatgnn	ttactggtat	nttcattata	180
acataccccc	tcgggggngc	ggttttttgt	ggttggaaga	aaccaaccgg	g	231

<210> 1140
 <211> 265
 <212> DNA
 <213> Mus musculus

gccccatgtc	ctttgat	ttt	gggttg	tttt	gtt	gtt	gtt	ga	caa	agg	ttt	nt	nt	gt	gt	tan	60
cacgttgtna	ntntgtanac	caggctggcc	tcaaaactcat	atttgccttc	ctctgtttcc												120
cagtgtnnng	antaaagnca	tggggccaccn	ctgggacaaa	tntgaacatg	gaaatnnnga												180

tagtagcngg gtataacaca ctgcctaaaa cagggaccca taaatgcnat gacctaaata	240
aattaattaa ttcaaacaaa aaaaa	265

<210> 1141
 <211> 175
 <212> DNA
 <213> Mus musculus

<400> 1141	
aggtaaaacc ctgggcaaag gccataaatt acttcttgng gaactntcaa aggtcgtnc	60
ggaaccataa aaaagacnca actttttgca gattaaggcc agcctggcct actttganna	120
ancctcanc tgggaaagtg aaatactttg tcaatnaaca tgcaccttgg gttca	175

<210> 1142
 <211> 107
 <212> DNA
 <213> Mus musculus

<400> 1142	
actgagggag acatccaggt accaacctgc cagaggagag agtgcactta ccgaataaaa	60
ctcaagtga ccccgagaaa aantntcaaa ggtggggggg ggggggt	107

<210> 1143
 <211> 103
 <212> DNA
 <213> Mus musculus

<400> 1143	
tttcatcctt tcgcctnttt tggttactg agtgggtnnn cctgangtn taccngggca	60
gagccataat tncctctcgt ggaactctca aaggtcggac agg	103

<210> 1144
 <211> 267
 <212> DNA
 <213> Mus musculus

<400> 1144	
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cggaacnng ggcctctcgg aaagaacnnc aagttgttct tagctgctgg gagtgtctct	120
gcngcncca aggagganc ctgngcngat ngganaagca gtnnngagga ttctacagtc	180
aantccttgg atgaagtgtg tgcccatgca gngccccagt cctagcctgt atgtcnccag	240
gctcttcatt ccttcctcgt ccccca	267

<210> 1145
 <211> 357
 <212> DNA
 <213> Mus musculus

<400> 1145	
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ccctggtagt tctatcatcg aggctacaaa ctgagacctg atcggaatt canagtagga	120
attcanaagg nccaggaagc catcagcanc tcggtgggaa gtocctnttn aatcaagctg	180
gagaacaaag gcgacctctc cttcttaagc aagcaagctg agagtaagaa agcccaacag	240
aagcatctgc ctataaagca actctcgtac agcaccaagc atgaaatcaa gcggaagggc	300
tcgctcaaga gcgagaanac cgtgcggcag ctgctcgggg agctgtacgt ggacaag	357

<210> 1146
 <211> 155

<212> DNA
<213> Mus musculus

<400> 1146
aactctcaaa ggcccgcgga gaagcngctg tgacacaaaa naaagccagc ctggcctacg 60
ttgacaaaacc tcattttggg aaagtgaat actttgtcan ttaacatgca cgttgggtca 120
ataaanactt ttggaaagng tcaaaaaaat taaaa 155

<210> 1147
<211> 107
<212> DNA
<213> Mus musculus

<400> 1147
gcctggccta cattgagaaa cctcattttg ggaaagtga atactttgtc aattaacatg 60
canttggntc aataaagact tttggaaagt gtccaaccaa aaaaaa 107

<210> 1148
<211> 274
<212> DNA
<213> Mus musculus

<400> 1148
atgttttcta taccaacact actgaactgg actgctggtn tattnatgaa ggggttgctg 60
ctcctgactt ctatnaactg aactgntgat ttcttgacaa tacagaacgg gattntgctt 120
caaagaaaaa tttctaaacn ggatncnttt gaccatttaa ggnctngncn ngacacnatt 180
cccagccctg agngggggat ttgntcggac cctttcnaag aanaactctt gtnacaanaa 240
gatgtngatt cttgganacc tggccaaaga aacc 274

<210> 1149
<211> 167
<212> DNA
<213> Mus musculus

<400> 1149
cgtttctttt attctcctc ctcttntcag gntttctttn gnnttcncct ctangccacc 60
ccccgntnc acaccantga agnggctttg ggctgaagta nancctgggc agcaggccat 120
aattacttct tgtggaactc tcaaagggtc ggacaggaaa aaaaaa 167

<210> 1150
<211> 454
<212> DNA
<213> Mus musculus

<400> 1150
actgaggcca aggaggaac ttgtatgctt ctgctccata nagtngaana ttggttgga 60
ctnactcagc attttancnc tncattggnn gntttgttan ngggtnccca gaccncatn 120
cncngttntc aagaanggt cagtgaagna tgggnagggc tnantnacga ngtggcgntt 180
accctacnct ttttgattac tcngtnagga agcatggcnc tacnttgcaa aacacatnqn 240
ttgtatttaa cacntntgtc tccccatttt cccctgccct tttacatttg ggctttgtta 300
tagggttggc cgcccgccag gncagaccag accaggcngg ccagttcctt tggcnaacga 360
aaggcatcg aaanactnaa nccatgatcc cacttttttc ccccttgggc nggggggcct 420
tnccaacggg ggggctnaac caaaataggg ccct 454

<210> 1151
<211> 162
<212> DNA
<213> Mus musculus

<400> 1151
acactgaggt tctaantgna aaatctgaca tcaatggcac catttgga aaactagtac 60
actgtacttt attttgttat caagaataaa gagtgattgg agctcttggg cagagagaga 120
ggaccctgct cngcccaggg catcgttaac ttccaacac tg 162

<210> 1152
<211> 340
<212> DNA
<213> Mus musculus

<400> 1152
tgagtagcaa cccgcgccat ggagcaggnc tggngtgagg cccagcgcn ccccgccgg 60
gccntgccc cactgncggg ccnggcggcg gaaccgaggt gatccagggt accaacngt 120
ctccnagcgc caacttcaaa gcanatgcn acgcttttcn gcttccttgg caagatngac 180
aaactgtnc nnttcccggc ggtatgacta acctttggca ggctccttc gggngtgctt 240
tnttaanant ccatgaatnc atacttaana ggggtggggc ncaagcattn ttgaccaa 300
ccaacgtgnn ggtttccgat gggncagaaa actttttgga 340

<210> 1153
<211> 112
<212> DNA
<213> Mus musculus

<400> 1153
gaggccataa ttactttcttg aggaactctc aaaggnncgg tacaggaatc cntgaggaac 60
acaaaaatg aggcccccg gaataacctc cacaacctt gtcggccctt ca 112

<210> 1154
<211> 212
<212> DNA
<213> Mus musculus

<400> 1154
caggggtgtg agtgagatac gagctggncc tgntgacctg tgaactgngc tgccgatttc 60
cagacaacat agacaggaat ngctccaaag aacctttcta aacagggtcca ttcacctct 120
ctcttcata tcctttcttt ccaactacct ttggtgggtg ctgggctaca aggaaggtta 180
aagcatttaa gaaccactat taaaaataat tt 212

<210> 1155
<211> 193
<212> DNA
<213> Mus musculus

<400> 1155
tggctcatgc ctggtgtcta gcctgccgag aggacgggtc tgcngcctgc tgggtcatat 60
tngngattg ctacagggt gnactgctgc ccaagangat caagcttgcc cccaaagaac 120
tactgatgaa cagctccact tccctcataa cctaaaatct tttctttcct actcactctg 180
ctgagtgtg ggc 193

<210> 1156
<211> 189
<212> DNA
<213> Mus musculus

<400> 1156
gcccgcactt ttactttanc taccaaataa taggatcagg tggaaagcnc tgccctgggt 60
tctgtccctg tggggtttgc ttctgatggg ctgtggcctg ngcctggcca ntaccaagt 120
cctacaggcc agnngcttac actggcaaca caagntgctt cccagtgga tctgggagag 180

ggttccttg

189

<210> 1157

<211> 205

<212> DNA

<213> Mus musculus

<400> 1157

atgagcgcta	ctttgancaa	cncaaggagg	ctnccttctt	naaanaaact	ggttcgggtcc	60
nttattacca	acgttcggaa	gaacctaac	ttncacacac	tcancagga	atccctcctg	120
aaggantncn	tccaaccatt	cttccngang	ctncaactgcc	ttgacagcca	catgactgcc	180
tttaccocat	ggaggctcct	gggct				205

<210> 1158

<211> 177

<212> DNA

<213> Mus musculus

<400> 1158

acagctcttc	tttagaggaa	ncaggaggaa	tatgtggttg	aaaagggttg	tggacaggcc	60
gcntggtatt	aggggcnaaa	gnngggaata	tctngtncna	acgtggaata	ggctttttgn	120
ttgaggggagc	accaattaac	tatggtgaaa	cnctnaggan	aggaaacttt	ggaattg	177

<210> 1159

<211> 335

<212> DNA

<213> Mus musculus

<400> 1159

cactgaggtg	cgggaggaac	taagaagctc	aactgangct	cgcttccggn	agntgctggg	60
cacggacccc	cacgcacgtg	gacggtcacc	agnacngca	tntgcttnca	ngcgtgtggn	120
aagtgttcnc	cgaggcgtg	naggcgacg	gggtccgntt	canacggctg	ncggcagaac	180
gtggcgtggg	cagctgcgcg	tggctcgaan	caccaaangc	gcgccttcgc	ctgcacgggtg	240
gagcgcgatg	cccgnccgc	aattggcccc	ttctntcgcc	acggcctgog	gtgaacataa	300
gccttttncaa	ctacatacaa	ccctgccacg	tccta			335

<210> 1160

<211> 304

<212> DNA

<213> Mus musculus

<400> 1160

gcaggtttat	ggggggcnca	aaggacatga	ttatgtgtat	gacnnttcca	taagagnng	60
atttacactg	gctggtntga	tggcagcatc	caggctgtga	ggctcaatnt	gatgcccaaa	120
ttaccgctgt	tggggggatg	gctggncctc	tgatntttgg	gcgttggggg	atcactttga	180
aaacaaacca	cttgcttgac	nggaccnccc	caatccccaa	nttttcaaaa	acctttaann	240
ggncnaatgg	ggggaactgg	ggangccctt	tttttttact	gcccgggnaa	gggattccaa	300
cccc						304

<210> 1161

<211> 190

<212> DNA

<213> Mus musculus

<400> 1161

caccagcaaa	gaacacactg	ngctctgggg	agaagggcag	attncgcttc	gtctgccng	60
gttcaggac	actcttcaaa	agcgctgtt	nacacgcna	ctctgaatac	acnaagactc	120
ttcctgccac	cactntggaa	gcgggctccc	tanaagtcta	tnaaatatga	atggacccat	180

gacccataaa

190

<210> 1162

<211> 488

<212> DNA

<213> Mus musculus

<400> 1162

ttaacaaaat	ggactaatcg	atcccgtnga	taganctggn	cagatcttaa	gccaattctn	60
gtacccttgt	caccccnac	atgggacatt	aagagaagca	tggggccngc	atcattnaac	120
gcgcnaagc	caactgncag	cacacaaact	actgaggatg	canggctgct	tgacctccac	180
tagatgggcc	ctctgtgcct	tcactccntg	aggcttgggg	acagagaatc	cccccttccc	240
ttctntgnag	caoctcccc	acacacctgc	ctacatcatg	gaactgcctt	aggccgacat	300
cattctatgc	ttacgccaca	aacagacccc	caagactgna	ggaagaaacc	aaacctttga	360
tgattgaacc	actccctgtg	gtaggngnca	ttggtgacat	aatantacac	gccttgggcc	420
gngcctctgg	ncatcaancc	actnccctac	aaaaggacaa	cacacactca	tttaaaaagt	480
gaggtgga						488

<210> 1163

<211> 179

<212> DNA

<213> Mus musculus

<400> 1163

aaactggctg	tggggaaact	ctatgacatc	gatgtnnnca	aagtcaatac	cctnntagac	60
gcccnacgga	cagaagaacg	cggtatgttc	gctnggctcc	ctttatgang	ccctaaatgt	120
tgccaacaaa	catnggnntc	atctaancat	gattncagat	ggctaaactc	taaacttat	179

<210> 1164

<211> 216

<212> DNA

<213> Mus musculus

<400> 1164

gactgagaga	ctctaaaaca	acagacagca	ggccgggtgga	agctctgact	gcagaggggtg	60
catgctcctt	ctgaggnttg	ggagctgctc	atctatctga	ctttggcggn	gattacacgg	120
gtatgtacac	ttgtcaaact	tattactgta	catgcaaagg	aagtttagtt	cattacatgg	180
caaattatac	ctcaataaag	ttgactttat	ccatt			216

<210> 1165

<211> 337

<212> DNA

<213> Mus musculus

<400> 1165

caggaggtcc	tgcttggnac	acctgctgcc	nagagatgat	ctattgngaa	gtacttgatt	60
tgctcaaagt	aagntatcct	cattatgggc	caangccttt	gncatcaatg	tgcccnttgc	120
tttgnatgct	gatacantgt	ngaacntatc	tggtattctaa	tgacaagtgt	nccaaacagt	180
atcatcctgn	atgnacaact	atcgganaaa	cttattgcca	tnaangtact	ttctgcaang	240
cactganact	tggtacaatg	ccttcctctc	tattatggaa	caaaatcact	ttcatccngg	300
ccttgggtggn	ccccctttac	tatggaacta	cttttgc			337

<210> 1166

<211> 152

<212> DNA

<213> Mus musculus

<400> 1166

ctgcaaagggt	ctggggtaaag	gncctgtctt	ngaagtnchna	gtnagatcna	caccctgggtg	60
gtcacaaactc	ctaataaaat	ctgtncctttt	ggagtgctga	agacagctca	gtgtcttaca	120
tataataaat	aataaatctt	taaaaaaaaa	aa			152

<210> 1167
 <211> 117
 <212> DNA
 <213> Mus musculus

<400> 1167						
gacaaataaaa	aacaagcnag	ncagattaag	gncagcctgg	cctacnttag	agaaacctca	60
ttttgggaaa	gtgaaatact	ttgtcaatta	acatgcagtt	ggttcaataa	agacttt	117

<210> 1168
 <211> 200
 <212> DNA
 <213> Mus musculus

<400> 1168						
actgagggac	cagagggtgaa	gatgaacttca	gttatgcaga	tctacttcac	gaatagggat	60
cttcttgatg	ttcccaaact	ccccttgggc	ctgaaaaggc	ctaggtttct	cttttcccaa	120
gttaaggatg	gcggcctcgg	gccttacctc	ctgttacctt	gttaccttta	aaataaagg	180
gccagggaaa	gagaaaaaaa					200

<210> 1169
 <211> 102
 <212> DNA
 <213> Mus musculus

<400> 1169						
cccgtttaaa	acccactna	agnocggtttg	gtctggggta	nancctgggc	ancannccat	60
aattacttnt	tgnggaactc	tcaaaggctg	gacaggcaat	ta		102

<210> 1170
 <211> 125
 <212> DNA
 <213> Mus musculus

<400> 1170						
aggacccaca	caacagaaaa	gaaccaactc	ctgaaagttg	tcctctgact	tctactcata	60
tactgtgacc	tgcatgggca	cgcatgtctg	tataccgtgt	acacacacat	acaaaataaa	120
taaaa						125

<210> 1171
 <211> 112
 <212> DNA
 <213> Mus musculus

<400> 1171						
gggtttttta	gggggggacc	actnattaaa	nttctctgag	gnagatcctg	ggcacaaggc	60
cataattact	tcttgnggaa	ctctcaaagg	nccggacagg	aaccatgggt	gg	112

<210> 1172
 <211> 217
 <212> DNA
 <213> Mus musculus

<400> 1172

tttgacagat	cccaaccgtg	cccgtttenc	tctgnagag	ctgagggagg	cgctgctgga	60
acnnaacaaa	gcncaagncg	caactgctgc	tggtgcaaag	aggaactgcn	gngctncaaa	120
gaagtggctt	acttccaccc	actnganact	ccagggaggg	aagananaat	aganggnatg	180
cctgntggnt	ncctntgggc	caacgagcga	gaaaggg			217

<210> 1173
 <211> 111
 <212> DNA
 <213> Mus musculus

<400> 1173						
ccccgaagcc	aacagacatg	gtgcgaaaag	gcaaagaccc	ccattantac	agacctactg	60
gnctgnctgc	aaatacngag	angtcctcct	nttattttcaa	aaagctctgc	t	111

<210> 1174
 <211> 202
 <212> DNA
 <213> Mus musculus

<400> 1174						
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gcaatgcntn	ctcagccatt	gncgtgggga	atgggtttgt	ggtgctcnca	ggccggccat	120
gtnnncatcg	tcgagatntc	tactnacnaa	tactggcggn	catggccttn	ccaagngtcc	180
atctggttgg	cattgacgtt	tt				202

<210> 1175
 <211> 187
 <212> DNA
 <213> Mus musculus

<400> 1175						
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atcctgaaag	aattctcttg	cagagagcac	atcttgtttt	cgcccgccat	ttgttcgtcg	120
tcgtcgctcg	cactacctac	attccccgc	cgtgttcaca	tatgaaaaca	attatttctc	180
agttcag						187

<210> 1176
 <211> 403
 <212> DNA
 <213> Mus musculus

<400> 1176						
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ggccagcatt	atcttttaca	gaaaccagga	aagcaaaaacc	ttcatcacca	aaaaaacaga	120
atgatgttcg	agtcaaattt	gaacatagag	gagaaaaaag	gatcctgcag	gttactagac	180
cagttaaact	agaagacctg	agatctaagt	ncannatcgc	ctttggggcag	tctatggatc	240
tacactatac	caacaatgag	ttggtaattc	cgttaactac	ccaagatgac	ttggacaaaag	300
ctgtggaact	gctggatcgc	agtattcaca	tgaagaggct	tcagatatta	cttgtagtaa	360
atgggagtag	acaggctact	aatttagaac	catcaccgtc	acc		403

<210> 1177
 <211> 405
 <212> DNA
 <213> Mus musculus

<400> 1177						
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caagctcaac	aagccttggg	ctctaaagac	tccactctt	ggagagagac	tgagctgtac	120

tgaagccac	agctcctctc	tctgggatga	agttactaaa	ctccgatccc	agcttcaggc	180
tcaggctcag	gtgactgagg	cgctgaagca	ttctgtacag	agcctgttga	aggatcggga	240
gcaacatatg	ttcaagatca	gtgctctaga	agcatcacta	aaactgctgc	aggagggccc	300
caaagggaga	gcccttcttg	agcaatgcct	ggaagggctg	aaaaaggaac	tgcagggcct	360
tcggagtcag	ggtcaagaac	tagtcccaaa	cccaatggaa	ggcag		405

<210> 1178
 <211> 590
 <212> DNA
 <213> Mus musculus

<400> 1178						
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aaaccccacc	tccagcccca	gtccctattc	ctgtgcgagt	gagccctact	cccctgcagc	120
caccactcct	caccagggct	gcagtgtgcc	cagccctgat	gccatcccca	gctcccgcgc	180
tctctggaat	agggagtgc	aaagccccc	tgaggagcgt	cgtgactgan	acggtcagca	240
cttatgtgat	ccgtgatgag	tggggcaatc	agatctggat	ctgtccaggg	tgcaacaagc	300
ctgatgacgg	gagcccgatg	attggctgtg	acgactgtga	cgattggtac	cactggccct	360
gtgtgggaat	catggctgct	cctccagaan	agatgcagtg	gttctgccc	aagtgtgcca	420
acaagataaa	gaaagacaag	aagcacaaga	agaggaagca	ccgtgcgcac	tgacatcanc	480
gtgggcagga	ctgctgccct	gncocgggtc	ggggctgggc	tggttctgcc	atcctgtctc	540
ccccgggccc	tgtggacttg	canogcattc	canaggaaca	aggacaatat		590

<210> 1179
 <211> 412
 <212> DNA
 <213> Mus musculus

<400> 1179						
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gatggctccc	cttccaatga	gctgggtgtc	ggaggatctg	acaatcgggt	gattcattgg	120
gaactagaga	ataatcaggt	tttaaaatca	gtccgtctcc	aaggccatga	aggacctgtt	180
tgtgctgtgc	acgctattta	ccagagtggg	ccatccgaag	gggagcagca	tgcgctgata	240
gcttctgcag	cttcagattc	tactgtgcga	atctggtcta	aaaaggggtc	tgaagtcaaa	300
taccttcaga	ccttgagctt	caaggatgga	ttcgttcttt	tctgtctgct	gctatttgcc	360
tggtactaat	ggtaaagtgc	ctgctattta	ttaaaagaac	gcataaagtt	ag	412

<210> 1180
 <211> 164
 <212> DNA
 <213> Mus musculus

<400> 1180						
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tggctgagtn	catatatgan	ctgaaacaaa	gnatggccgn	gctggagatn	catogtgtgc	120
tccggcagac	aggccagcct	gaggacgacc	aggcgtccac	aaaa		164

<210> 1181
 <211> 418
 <212> DNA
 <213> Mus musculus

<400> 1181						
cacctggcct	ccctgaagg	gtgtctactg	gaatggctac	tatgcagttc	ttacatagtg	60
gtgacttacc	actggccacc	ctgacctctc	ctctgtgctt	ctgggggttc	ctttcattgg	120
ggtgaggaan	caaggncag	gtcanagtgc	ctcttgaagg	ttctcccana	tatgggaact	180
ggggcctctt	ccctggaaat	gagggcagg	acccagttcc	atcctggggg	gtgtccccag	240
atacagcctg	ggttaaagg	cagggattca	tggtgctgac	ccaggctctc	tgagaaggcc	300

ctgtcattcc	tgtttgtgat	gttctgagga	tgcccatctg	taggttttta	ttttnaaanc	360
aagnctccnn	ccaccggcca	ttttgcccac	tgctttntat	tttggtttta	tcctaaca	418

<210> 1182
 <211> 390
 <212> DNA
 <213> Mus musculus

<400> 1182						
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gctgcgtact	ccctctccct	cttcgatgat	gagtttgaga	agaaggaccg	tgccctaccg	120
gtgggagaga	agcttcgcaa	cactttcagg	tgctcctcag	ccaagttcaa	agcctttgtg	180
tttgggctgt	tgctgtgtgt	ctcctggctc	cctaaataca	agatcaaaga	ctacatcata	240
cncnannagn	tgnnnnnact	nagtgggggg	tgtatccagg	tgccacaagg	catggcattt	300
gcattgctgg	ccaaccttcc	tgctgtcaac	ggtctctact	cctccttctt	ccccctcctg	360
acctatttct	tcttacgggg	tatggcagct				390

<210> 1183
 <211> 435
 <212> DNA
 <213> Mus musculus

<400> 1183						
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tcaanctggg	ggtgtccgca	gtccagatgg	atgactggaa	ggttggtcagt	ggaggcaagg	120
aggggctggg	gtctgtgtgg	gattaccgca	tgaaccagaa	gctgtgggaa	gtgcaactcca	180
ggcaccctgt	gcgctatctc	tccttcaata	gacacagcct	catcactgnc	aacnggcctt	240
acnanaaggn	gctgngaaac	tccgacctcc	acaactttgc	ctgtcacagg	agacatngtg	300
gnetgatcca	tgccatgaa	tttgctgngg	accagctggg	ctttcagagc	ccccctcctg	360
tctgcccgtt	accccgtagc	atcatggctg	gatacaagct	atgacctcgc	actgtctttt	420
ccccatgaaa	agata					435

<210> 1184
 <211> 304
 <212> DNA
 <213> Mus musculus

<400> 1184						
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tttgggggac	tatgaagaac	atcctgaaat	ctgtctacaa	aaggcaaaact	cgaacctgct	120
accttaactc	taaaacatta	ttaccgtcgg	acagagattt	gggaaggagt	tgtngtgctt	180
ttaatgncnc	tcactggnat	agcnggtgaa	cagtttatct	caggaggacc	tgcccttgatc	240
ttgcataaag	atggccagng	gaaccagatc	ctgggctggc	atcacacaac	catgtactta	300
ttgg						304

<210> 1185
 <211> 135
 <212> DNA
 <213> Mus musculus

<400> 1185						
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atgagaaaaa	caaaa					135

<210> 1186
 <211> 640
 <212> DNA

<213> Mus musculus

<400> 1186

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tgtccccacc	gaaagcagta	atccttcagg	ccaagccatc	caattttaaa	ccccgtgcc	180
ttgttcatgt	tgggtataca	gagactcaga	ggcgctagtt	aatggccagc	ctgacctgtc	240
ttccttgtgt	ttcggggggg	gaaaggaggt	tccaggagaa	taatgccctg	gaatattctg	300
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agcccccttc	tgctctgttg	tcaatcactg	ggttagtttt	ttgttatgtc	tgnttctgtt	420
gttctcttct	ttctgggttg	atcttaatct	ttggaaatac	acagtgtctg	tcaggtttgc	480
ctgggttccc	tgtgtgacct	tccccccac	acacacacaa	agttaaccag	ctgactggga	540
gcaatgtctg	nggaatgggc	cagtcacttg	aaagacagac	cttcaagcca	gcaatgggca	600
actggagcga	gcacttaaag	cgcacctttg	atcttccctt			640

<210> 1187

<211> 469

<212> DNA

<213> Mus musculus

<400> 1187

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cctttaccta	aaaaacatgc	agaaggagat	tctacaacct	aagaaacaga	agaaaacaaa	180
gaagaaccgg	cacttttgga	gcgggaaatg	acacactggc	cccagggtc	accctgcccc	240
ttgtctaagg	aatcctggaa	tgtgggtctc	cttgotgcct	tcagcgagtc	tctgattaac	300
ccagagggag	ttctcctccg	agagaagaag	tggagctacg	ttagccagaa	gagaaaggga	360
tgtgggtgag	agggaaaaga	cttcgacgga	cgtgcaaaga	aatcaagcct	ttcataattc	420
cctgtcaatc	attcacctaa	agntggggtc	cacagatgca	gctcatggg		469

<210> 1188

<211> 418

<212> DNA

<213> Mus musculus

<400> 1188

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tccagggtca	ttctgagagc	actccttgga	gttcttctgc	ctggngancc	ttnttgttgt	180
aaagaactca	cagnacgtta	tccaatccct	gtngcccatc	aaaaaccgtc	tgtgcctnat	240
ctttctttga	cnotgantga	agaaccagga	tctgatgact	tctttccgta	gtttgaagag	300
aacaactttt	gagagtttgt	notctcctat	tctgtgngac	ccagggatga	cactccaacc	360
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<210> 1189

<211> 447

<212> DNA

<213> Mus musculus

<400> 1189

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gaaaaataat	agaatgagaa	gacctgaaga	ctaaactgcc	ttttcattcg	ggcgttggct	120
gctagcta	tgactaaac	cacactggag	agcatatata	cattcatata	atgttcgagt	180
ttgattgtt	cittgtta	tactttgtta	ggattaaatg	tcaggattct	gttcatacta	240
ggcaatttga	agaaaaagtg	tttagcactg	tttgcataaa	agaacaagga	gatgagcaag	300
atgaaagctg	gtttcaatgg	ggttattt	agaaaaccagc	tattttcaga	aatacatggg	360
gtttttttca	atgntataga	agctgngtaa	tttaacctaa	tccottaacc	tcttggaacc	420
catacaagtg	ataagaaggt	tttatgc				447

<210> 1190
 <211> 181
 <212> DNA
 <213> Mus musculus

<400> 1190
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 tccttcaaac tggagtgagc ggcacctnag aagaccttac cccagaacc agcttnagcc 120
 agcccttcan caagcccca acagaaccgg agcctttang gtctggggat ttttccaag 180
 g 181

<210> 1191
 <211> 398
 <212> DNA
 <213> Mus musculus

<400> 1191
 gatacaaggc gacacnaata tgacngacaa agtatttgtg acctgcnata ccancgtcat 60
 gcatctanat ggaacggtgg aaggatgggt tgcaaagaat aaaacactca acttgggcaa 120
 aggcnnctcg gacccacgag gnatatatca agtgnantgg gacatagcac ntgncaaaag 180
 agatgtcnac tgtgcaagtc cnttaccgaa tnggccagaa ctgtgngnag ctgactngg 240
 gnaccatggc tgnrtgtaatn ttcattgacc tnatcgnaac tctgctnctg gctttnggcg 300
 actactgctt tgcangacat gagaccggaa ggcttntttg ggcttggttaa ggttaaagcc 360
 ctgctgaana ttgagcagct gtatcagcct ctctcgaga 398

<210> 1192
 <211> 364
 <212> DNA
 <213> Mus musculus

<400> 1192
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 tcaattgagc agctggctgc ctaatgctga gcctttgctg agataacttg gacctgagtg 120
 acatgccaca tctaagccac gcatcccagc ttttccagcc agggcctcct agcaggatct 180
 tagagaagga gacagtggta ttttgaaact ggatatcaaa tatttttggg tttgctttaa 240
 agtggctacc tctctttggg tttgtggctt tgctctattg tgacgtggac ttaagcaata 300
 aggaagtgat gaagggacag tgttctctga caggaoctgt ggggggtcggg gtgcctgtgc 360
 aagg 364

<210> 1193
 <211> 113
 <212> DNA
 <213> Mus musculus

<400> 1193
 cagactgagg tggggtcttt cagagagact tgatagcaca caccatggag gagctgtcgg 60
 ggctggagaa gaatgtgaga gcaccaaaaga atccacagc atcaaaaaaa aaa 113

<210> 1194
 <211> 346
 <212> DNA
 <213> Mus musculus

<400> 1194
 cagaactgac gatcaaaaaga tttgctgaac agtggactcc gagatcggtta nnacgaagct 60
 ctctctgccc ttcctgacca ggctgtcagg taattcctgt gctccctca ctggtcgaag 120
 tgattttcct tctcaacttag tctgccaga ggctctgctt tctctgctca gtgtgcatct 180
 tanggtgggtg gttggcaagt gagcctggct gaggggaacac ataggggggtc ctgtctgtag 240

tacacagaca aacacaatca aaagtggggc aggagggaag gcagccctgc tacctttctg	300
gggaatatatt tgaaagggtt tgggttaatat tggaatctgc ctgcag	346

<210> 1195
 <211> 126
 <212> DNA
 <213> Mus musculus

<400> 1195	
gactgagctc ccagcatccc aggaaaccta gaaccatgat gatagaccca actgcaatca	60
agatattcac agcaatgaag ggggttcgtgc tagagtctcc tgacgtgatg atctagaaaa	120
aaaaaa	126

<210> 1196
 <211> 275
 <212> DNA
 <213> Mus musculus

<400> 1196	
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ctntgtcacc acagcatgat ggggcctcaa gggaggaggc tgatcaccag gtggacgtgt	120
ctgatggcat caggctggtt ccagacaaag cagaggccac ggctgctaca gcctcagntc	180
tcgggtccca ccagcaaagc ttctgtgtgc agcgcgcacg gcagttaccg cagaacctca	240
tgagtggaga gctcagcccg cagctgagac atctg	275

<210> 1197
 <211> 401
 <212> DNA
 <213> Mus musculus

<400> 1197	
gaactgagag cctcaccaga aacttctgcg tcagctctca ggtgcatcct gggctaattgg	60
caactcgtgc tccattccca actcatgggg acaactcagg cagtgcctggc tggggcctca	120
tgtggggcct tcttcagaca ggaccctcca cccagtgca gcccaagcag caagaccaca	180
ttaacccttc tcaagtactt ttatttcaca cctcctgtgg ggcttccttg tctccaggac	240
tgggtagagc ctgagaagag agccagcctc taaagaacct aggctgtcac cggatgcact	300
gattgttccct aaaggttcca agtcctggc tccgtgcatt tcacaggcac agtgggcaga	360
gctgtaagct acattcagge ttccctggca ctcagggact t	401

<210> 1198
 <211> 221
 <212> DNA
 <213> Mus musculus

<400> 1198	
ttgagcttct ttgttgagac tccataaaga gaaatgcacc aagaaacttc tgggtggtgtg	60
ctgaggcttc ttgccacttc tgcagactca ggctgattgt tagatgatgt cggctgaggc	120
atgacccatg gaggacccat gatgtttgaa aaaggactca atggacaata aaagaggctg	180
ggcttggtct gctggtacag ttaactgttc aaaaaaaaaa a	221

<210> 1199
 <211> 200
 <212> DNA
 <213> Mus musculus

<400> 1199	
aagcctgagg atgctgacct gggaccagaa tggccagtgc ccagtaatct gaagtttata	60
gctaccaggg gcgaggatga gggcaggatt ccagcgccct ctacgagcag ggccatcana	120

aagaagaggc ggcggcatct gctcacacac aacttcaggt aactagtgat acaacaataa 180
acgtaaacgg cttaaaaaaa 200

<210> 1200
<211> 377
<212> DNA
<213> Mus musculus

<400> 1200
gaggtgtcat gctaaccttt gggaantttg atgtggagcc tgacacgtac tgccgatatg 60
actntgtgac tgtgtttaac gganctgnga gtgacgactc tgngangctg gggaaaatttt 120
gcgagagaaa ggcccctagc cccatctntt ctgaanggaa cgagctcctg ggacacntng 180
tatcggatct natntgtgac cgcaaanggn ttgtnancct cctacaggac cctgccacgg 240
gattgccgna gagaaggagt cntncctgag tncaggggag gacgtacagc tntgggtccc 300
ctgcccgctc ttaccctnag tncaggaact ggccctann ttctcaacot gcccnctaaa 360
ccttatattc ccaacct 377

<210> 1201
<211> 323
<212> DNA
<213> Mus musculus

<400> 1201
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tccctcctga aacagancca ccggaccac cggtatgactc cagcaccaca ttctgaaaaa 120
gaatctnnta tgtgaatatc agganggact ttttactccc tgagggactt gangttgnaa 180
nncgntctt gcttanctgt anaaatggac tgggatannng gctctagggg nggactgttt 240
acacacttca ggaatctagg ggnacctgtt cntgtctaaa agaggctatt cngaactttg 300
gggcttggag tgccctgctg cga 323

<210> 1202
<211> 224
<212> DNA
<213> Mus musculus

<400> 1202
gccagaaga ccatggttgn gagcagatgt gcgtaacat gctgggttcc tttgnetgcc 60
agtntacng ngntacacc ttgnetgang acgggaagcg atgtaccgct gcggactact 120
gtgcctcaga aaatcatgga tgtgaacacg agtgtgtaaa tgctgaaagt tcctacctgt 180
gccggtgccg cgagggattt gctcttaaca gcgaaaaaaa aaaa 224

<210> 1203
<211> 207
<212> DNA
<213> Mus musculus

<400> 1203
ggaaaaccaa tgttggaata atatcatagt ttgnccaact gatggagaac tggaaaatac 60
tctttttcat caagtttttc agttcacccc gttttgttca tagtatgtaa gaatggacat 120
cggttttgat gatacatgct gtctgtcata atgtataata tttaattgatt gaaattaact 180
gtttggggat cctgacgctg aagtgtg 207

<210> 1204
<211> 298
<212> DNA
<213> Mus musculus

<400> 1204

agactgaggt	ggggtctttc	nacacgcntg	cgcgaggccc	gncgncagga	atttgacacg	60
ttcatcgnt	ccnogaogac	ctttcacacg	catgagtcca	tcgcantccc	cgatcatcgag	120
gaggacgggg	agagtgactc	ggactcggaa	gatgccgata	tggaagatnc	tgnccttgant	180
gaagngtgcg	cgtncttttg	tccgcgtggg	ggcgcgntcc	ttgagnntgg	ccccggcnga	240
acctggtntg	cctttttgnc	ttatacccca	tntnctgttt	gctttccgaa	gacaagag	298

<210> 1205
 <211> 109
 <212> DNA
 <213> Mus musculus

ctgaggtctc	ctatgctcag	tcaactctcc	taactgtaaa	tcaacactaa	gagcactaga	60
aggttaaagg	tcaaggagac	tctcaciaag	gatccaggat	tctccttgt		109

<210> 1206
 <211> 342
 <212> DNA
 <213> Mus musculus

aactgaggcc	cagagaacac	tgaagacata	catccccagt	gaagggcatc	attacctaca	60
aaggcggact	gtggaccata	cgacgagaga	agcccatcat	catggatgtg	tcccatcatt	120
tctatggcag	tcccaggatc	tcactcttct	tgatgctcta	ctgttttgatt	gttcatcggt	180
cacatacaga	aatgacgctg	gtttcctgtg	ttgacottgc	accctgctac	tgtcatcact	240
ggcctggaag	tcagcagtat	agataaggct	ggccctgaat	tcaaganact	cacctgtttt	300
tgcctactca	gagttactgg	aattaaaggc	ataacaacac	ta		342

<210> 1207
 <211> 137
 <212> DNA
 <213> Mus musculus

aactgaggca	aatgaccatg	gaaacagttg	aatcacaagc	aggatcgaag	tgtaacacag	60
ttctgtggca	gagcatagct	ctgctcatat	gcagactggg	caaatttctg	ttcctactct	120
agctcaggta	ggccata					137

<210> 1208
 <211> 429
 <212> DNA
 <213> Mus musculus

gagaaagcgg	cgtaccgcct	tctgtatcac	ggatgcagcc	ctgtncctgt	ggagccanca	60
tgcntgagct	tcacgtcnag	tgcttaagat	cttgtgnnnn	ncccnagcaa	agatnggact	120
cgaacacanc	nganatnanc	ttatcatact	tnaagagagc	agnatggcag	gatnacttcn	180
gaggagcaca	tgccctttaa	cagtgccacc	gcannatacn	gtgaaagcta	cgcctctgga	240
nccgtgngcn	gcaagtaaag	agactcaccg	gggacattcg	ttatttctga	acgcatntta	300
tacacacatt	cccagcttaa	tcacttttag	aactttaaca	tgaaccagag	tcaaagtctc	360
ttgagagaga	gaaaganccn	gagagacttc	tttttttgaa	ggnnnnataaa	aagcttttaa	420
actcattgg						429

<210> 1209
 <211> 190
 <212> DNA
 <213> Mus musculus

<400> 1209
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tgntgctggt gcttggtgag cacagggttc tcttgggata atagactact gagaacacct 120
gactaggcaa tggtttccct gtgcccctgt ggttggtctgc tgctgngcat tgccactaga 180
gtcttgaggaa 190

<210> 1210
<211> 260
<212> DNA
<213> Mus musculus

<400> 1210
gaccacaaga ttgcagtatt ttacgttgct gaaggacaaa gaagataaat actccattct 60
caccaatata ggaggaagcc aagcatatga agattttgta gctggccttg gttgggaggt 120
aaaccttaca aaccactgng gcttcatggg aggccttcag aagacagaag cactggactg 180
accactccct attttgctac ctgcacagta gaagtaatat ttcattgtatc tacacgaatg 240
ccttctgatt ctgatgactc 260

<210> 1211
<211> 168
<212> DNA
<213> Mus musculus

<400> 1211
caccaccacc accgtctcca ccangtggca gaccccgccg cccagagacc agaggangac 60
tnctggacgt cagataatga ggagcaggag gaccnactn gataactgca naggngnta 120
tnatccacac gaaaattgga gatntcttnc atggtcagac ctcatgtc 168

<210> 1212
<211> 120
<212> DNA
<213> Mus musculus

<400> 1212
tgtgccagct ccacagccag cggcccggaga gagangttat nattgccccg gaagtcaact 60
gaaangaact ggcccccttg annnttccn aanacctgg caccacttt ccagcccga 120

<210> 1213
<211> 321
<212> DNA
<213> Mus musculus

<400> 1213
aaaaaacagt tccgttgccc nntgtgtgan aagatattca tgaggagtg acttntctca 60
ccaagcatgc cgggggtcaa ccgagttntt cccagntnqn atcaaaaaga tcaaaaaggg 120
gtttttgccc cccctttgng gggngctccc catggcacc aggcaaanat ggntccccgg 180
aaggaaanan ntcccaggaa aaangantga cnontggaaa ttgccccaa aaaaggcccc 240
ctggccaaag naggncactt gttttttggc caaatattcn gatattctcc tgcctgttcc 300
caaaaaagca cattggtccc c 321

<210> 1214
<211> 247
<212> DNA
<213> Mus musculus

<400> 1214
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ggnaattcac ggnottgcca atatanttgn tgntgngncc ccnagtgccn tccgaganaa 120

tgacatnaag agcttcttttg gtcgcaaagt ggccatngat gcntncatga acattctacc	180
aatttcctga ttgctgttcn tcaggggggg gatgngctgc aaancnaggn gggtgaaacc	240
accaccc	247

<210> 1215
 <211> 171
 <212> DNA
 <213> Mus musculus

<400> 1215	
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angggctgtg tgttctgcaa gaantnggag ccngcttcca aggaggatgn ggnctggaa	120
ngggacttnc ggagccaaac ggtgangaa cgctattacc ctgacccac t	171

<210> 1216
 <211> 335
 <212> DNA
 <213> Mus musculus

<400> 1216	
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cactgccaag ngcctgaata tcagctccct gatcttcagc atccttatgg tcattatctg	120
catcattatt ttctctacca cctctgtggt agtctttcag tcttttgcac aaagaacacc	180
ccattctgga ttctagctgc cctgtgctcc acggtccaca tctgccccgc cctgccccg	240
ccccaggct caagcctcga ccctttacc tacgcgtatg caaatgttac cttcacctat	300
ctgtccacag nggattcaat aaagtgcacg gggtc	335

<210> 1217
 <211> 312
 <212> DNA
 <213> Mus musculus

<400> 1217	
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atctaaccoc ancgncnagg aggagaagga agccgagtct cacttgnaaa anctgaccag	120
atgcagcggc tgcgctccca aacgctcgac ncctttgacg gngccgaata cactgctgct	180
ataacccttc cttgataana atttaaaagt ttggnntttg ggatgcanaa ctgcctgaac	240
tgggaagcag aatgcttntn aaaggaagga agagcccagg aaaaccntna accgacttaa	300
aaggctggtt tc	312

<210> 1218
 <211> 412
 <212> DNA
 <213> Mus musculus

<400> 1218	
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cccctagngc tagaccttca ggagccaaca acgatacctt anatgtttga tggccagcac	180
actcacgtct ggaggggaaa acttntctaa gaggcctctc tccaggttct agaactcattg	240
aactggaggg aggaaagaca ggtctacgga gctgcccaca agctgtgtag tggactctgg	300
atgcggctag ctgtgtcagc accatgctga ggtgggcttc ttggtgctga agctgccnag	360
ncttctaatin taagggaccc caataaagtc attgttcccc taaaaaaaaa aa	412

<210> 1219
 <211> 389
 <212> DNA
 <213> Mus musculus

<400> 1219
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cattacatca gtgaccccac atattacaac tcttggcggc gccaacagaa aggcattctt 120
cgggcccagg cctacagcta cacagagagt gattccggcg aacctgacca cgtcactgtc 180
cccaacagca acagcaccca gcaaggcagc ctcttcgggc ccaaggccag cggactcca 240
acgccccaaa acccccggaa tcccagagt cagcagagca ccctctaccg tccccccagc 300
agcctcgccc ctggctctcg ggcaaccata gctgggttct catccttcgt ttgacatcaa 360
aagaggagaa agaatgggga gaaaaaaga 389

<210> 1220
<211> 272
<212> DNA
<213> Mus musculus

<400> 1220
gaaggacaca tgccgagtn ggtggcngan actccctgag caattatnat ganngccgag 60
ggggcccagag caacntttac agtgggtcct ctgccancat taaggccgct tatttcnnc 120
ggttaccgcc ctaatctcnn ggatcganct tcnanagcc ncgggggccc nggaccatcc 180
tgggtacta accttgacgg acctgnangc ncnanangat agtttggtga tgcattcaat 240
agtatatgcc ntccgtgaca gtcccttatct cg 272

<210> 1221
<211> 156
<212> DNA
<213> Mus musculus

<400> 1221
gcttgctgct cgagatgtga gtcttcagat gttccctgcc ccatatctga cagctgctgc 60
caagattccc tgggtggatg gactcttata cctcaacaac cagaagccca agtaaactct 120
tctataaatt gaatgactca tgcttaaaaa aaaaaa 156

<210> 1222
<211> 433
<212> DNA
<213> Mus musculus

<400> 1222
gaattgggag cccccaggct gtgaaaaact aggggaagtgt ctgacacctn ctgagtctgt 60
ccctgagaag ngtttctggg ccattagacc aagaccagaa tctccagcca gcctgcaag 120
tgcctgggag accttgctct tcggactgat gaatggaaga gaccagntgc cctctgcca 180
cccatccctg catggacggc ccctgcaacc aggtgcaagg ctccaagact gctcatcctg 240
gagccctgac cctgtagtcc gctctcgagc accacagccc atcttgccaa ctgggttctg 300
aaaagggaagc cggggccttg atcaccgtag gtacgccagc ccagggtctg aagcactgtc 360
actgtccctg catacatttc aacctangtg ccgtacacaa aagtgaagat ttcagcgaaa 420
tgccaaggaa gtg 433

<210> 1223
<211> 216
<212> DNA
<213> Mus musculus

<400> 1223
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atgtctgagc cacttggtga gaatgaaaa cagcgtatgt acagtaagct tgcacacaga 120
aggagggccg gtgactactt tcgggtttaa ttttgatac aactttctat tcagtatgta 180
atgaataata aagaaaactt tgcctgtaa aaaaaa 216

<210> 1224

<211> 270
 <212> DNA
 <213> Mus musculus

<400> 1224
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 agcagcgctn agacatgtga cccactgacc atacacaagg acacaccgac ctgactgctt 120
 gtctcataac acacagccat ctcaggagtn anctgcctnt gcccaacacc ccatgctctg 180
 caggggcat attgactnca caaggagcag anaggaggcc ttgggtacca ctntgacaa 240
 catcangata caggggctgt ggaggatgag 270

<210> 1225
 <211> 474
 <212> DNA
 <213> Mus musculus

<400> 1225
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 agccagaggc aaaggatgaa tgttgagaag ggagccacag gaccttgctc ccagcctgga 120
 gcagagctga gcccttctgc ccacagtga gggggacctg aactcagcc cgtgctgccc 180
 cgtgcagggg ctctccctgg ggactttaga acatggctca cccctgcagc acacaccgaa 240
 atgtttcctc tgttgacctc ggttccccctc tagagagtgt gtttttcttc cgtctgtgtg 300
 tcacaggacc cgtcaggact gaacctgtct gtgatttgat atcccgcaca gactggctgt 360
 cacaccacag agccctggcc agcattccac agcgactcan cctgtcacag atctgagtc 420
 tnacactgga acctgtaatg aaaccaancg acaggaaaat gtccgctttt ggct 474

<210> 1226
 <211> 266
 <212> DNA
 <213> Mus musculus

<400> 1226
 gacacacaga gaacagggtg gtgcccatta gacagaagag atttggtcat cacgctcctg 60
 ggagacagac agaagacttg aagttcanca atccccctgc ctctgcaagc cccatctatc 120
 ctaaacactgt acccctgtggc tgtgatctga ggatgacaag atccgagaca tccttgggca 180
 gcttcacact gagatagaaa taaaccctaaa tgaactatga aatggggcca taaataaagc 240
 ctggaattga attctaaaaa aaaaaa 266

<210> 1227
 <211> 342
 <212> DNA
 <213> Mus musculus

<400> 1227
 gcaagcccg gacgtccgag cagcaccgaga agcgtncatt gacaggaccg gagaaggctt 60
 ccatggactc tgacactgta aagttgggtc agccccacaa agaggccatg gtcgcccagc 120
 tggatgcggg cccagggatg ctcgaaccct gtgtgctgcc ctcagccaag gaaagatctc 180
 ctgtgcgtga tcaagagagc cgttcgaatc gtgacagccg tgacagccgt tctctgatga 240
 ccctagtcca ctcagtctct atgttcatgt tctccatgct acagtccggc tggcgactat 300
 gtaggtggaa gtgntnaatn anngctggct catacttcta cc 342

<210> 1228
 <211> 199
 <212> DNA
 <213> Mus musculus

<400> 1228
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ncagaatnag nnaaatgggg gnttngggtn aaagaacnngn angannggag tctggacgat	120
cagcnntccc tgcaggtgaa gaagactcat gaactcacca atcctggant tgccgaagtc	180
accatgcggc cagaccaca	199

<210> 1229
 <211> 380
 <212> DNA
 <213> Mus musculus

<400> 1229	
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cctgtaccgg ctgggggtcc caagggtaac agtaaccctc tcagtcaata gncagcgnaa	120
cagnaagtcc ctcaatggtg ggagnatgna gnactcccat cctanctttg gcctctcagg	180
naagtaaaaa ctggnatcca gcaccagggn aattagctcc gaccacccc ttgttcttcc	240
gatgctgtgt ctacggnaact tggccacagc aggcctgtgg gtggattcct ggtgctacca	300
cctgccgnac caaaagccgg atcaagggat tggaaacttg ttgccattct cancaggccg	360
anaccgtgga ggctgtttga	380

<210> 1230
 <211> 243
 <212> DNA
 <213> Mus musculus

<400> 1230	
cagattcctt agggagcatt tgcctccata tgaataagtn taccatnacn gtggnaagcc	60
naattacagg acacattaaa ggaatgctgc ttactggctg gctttctgct tctgctcctc	120
ttgcctgtac agnctaagnc cgaatgccat ggtggaactg ccatgggtggn cttggccctc	180
ctnaccaatt aatantaaca gttattagta gtattataat gaacacccca taaacatgcc	240
cat	243

<210> 1231
 <211> 193
 <212> DNA
 <213> Mus musculus

<400> 1231	
cgtggctgct gaccaggncc ncaggcttct aaactggccg gccctggaga gattcggeca	60
cttganctag ctganagctg tgnacatggc cctgtatgtt gcggaacaag angactgggn	120
aatgcatctc acatggccnc gggcnnatnc ntacacatnc tggaaggaaa cttgctcaaa	180
actagtggac cct	193

<210> 1232
 <211> 152
 <212> DNA
 <213> Mus musculus

<400> 1232	
gcttagagca cgacctaaan aactacttct aaacaggtcc acacacgccc ttgncctagt	60
accggtatct ctccnctacg ctctgntggn gctctanaag ggagatngnt gcattnaaga	120
accccaaata aaataggctt tgaaaaatca aa	152

<210> 1233
 <211> 492
 <212> DNA
 <213> Mus musculus

<400> 1233	
acactgagac ttttcagaaa agaagatgga ccagcctagt gggagaagtt tcatgcaagt	60

atttgtgtgaa	aaatacagtc	ctgaaaaactt	cccttacccgc	cgtggccctg	gggtgggagt	120
ccatgtccca	gccactcccc	agggctcgcc	tatgaaagat	cgcctcaacc	tcccagagcgt	180
gctcgtgttg	aacagctgcg	gcattacctg	cgcgggagat	gaaagagaaa	tcgcagcctt	240
ctgtgctcac	gtgtcaaaaa	ctcgatcttt	ctgacaacaa	gctccaaaac	tggcatgagg	300
tcagtaagat	tgngtcaaat	gntcctcaac	tggagtttct	aaacctgagt	tccaatcctc	360
tgagtctgtc	antttctanaa	aaaaaatggc	tgggtccttn	tntgggggttc	gcaaacttgt	420
cctnaacaac	agnaaangca	ttatgggaaa	cagtgcacac	catactgcag	gagttgccaa	480
agttggagga	ct					492

<210> 1234
 <211> 456
 <212> DNA
 <213> Mus musculus

<400> 1234						
cactgaggaa	agagtgggtca	cctggaatttt	tgtgacaaaag	aaatacatct	atgggaaccg	60
ttatgagaat	cgagtggagag	tatctaacga	tgctgagttg	tcaaatgcct	ctatcaccat	120
cgaccagctg	accatggacg	acaatggcac	ctacgagtgc	tccgtgtcac	tgatgtcgga	180
ccaggatgtc	aacgccaaagt	ctcgagtccg	cctcttggtc	cttgaggatt	tcaaacaaat	240
ggcaagaatc	ggtgtaaatc	tgaaacctga	ttctgctggt	cctccaacca	aactccggcc	300
cgtacatcaa	ggaccaccta	cttttaaaga	caatcagatt	aacccgaaga	gttaaggcta	360
cacgtttaat	atganaagta	tnggaattcg	ttgaaactaa	cctcttgctt	taaaaaaat	420
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<210> 1235
 <211> 162
 <212> DNA
 <213> Mus musculus

<400> 1235						
gactgagtga	ggaaaacatt	tggaagctct	gtgagtacat	caagacacac	aaccagtatc	60
tgttggagga	gtgctatgca	gtcttcatat	caaagagaa	gaagatggta	cctatttgga	120
aacagcaggc	aagacctgag	aatggacctg	tgatctggga	at		162

<210> 1236
 <211> 406
 <212> DNA
 <213> Mus musculus

<400> 1236						
agactgagta	tttgaaaatg	aaccttggac	tttaagaacg	cttgaggatca	ttgaaccaca	60
cccaactcct	attctgacat	ttcactgcta	tccaggattt	acagaaaatg	ttagaaaaac	120
tctgcagcaa	tgttattttg	aaattttataa	agcctttaca	aaaatgtgaa	gaaagatgta	180
tatattttgtg	gcattcttgat	ctctactata	aattgcgaaa	tgattggatt	gagcttaagg	240
tattaaagct	tttaattaga	aaatttttaa	taaatgatgt	tctggatatg	tcattgcatgt	300
aactttggag	aaaaatgtca	actacgtgta	acaccccctg	acttgccatt	atacctatta	360
tggattcaaa	ggaatttaat	acacctgnct	aggttaaaaa	aaaaaa		406

<210> 1237
 <211> 174
 <212> DNA
 <213> Mus musculus

<400> 1237						
aagtatttat	ttcatgtcta	tgcacgttct	gcccattgttc	acgtgcatgc	ctggtgctgg	60
aggatcanac	gaaggngttg	gatctggcgt	taaagagggt	tgcaagctcc	aggaatggan	120
cctggatctt	caggagaaac	agaaagagct	cttaaagaat	cccaaaaaaa	aaaa	174

<210> 1238
 <211> 323
 <212> DNA
 <213> Mus musculus

<400> 1238
 gaagagtatt ccctcnnagc taggagactg tganaatcta gagagactgg actgntctg 60
 gaatctggac ctgatggatc tcccccttga attaaggnat ttgaagcaag ttacatttgt 120
 ggatatctct gcgaacaagt tctccagcgt tcctatctgt gtccctgcgga tgtgtcgcct 180
 gcagtggctg gatatcagca gcaacaatct gagtgacctg ccacaagata tanacaggnt 240
 gctacngnaa ttngnangcc tgctgtanta naacaatcng agctnctnnn naccagcctg 300
 cttacctttc tgaagccaag ctt 323

<210> 1239
 <211> 392
 <212> DNA
 <213> Mus musculus

<400> 1239
 cagtgtact accttcagac taagcattca agcctatgag cccttggggc aattcttatt 60
 ccaaccacag cacatggtga gaaaggtaaa acaacaggaa cataagcagc tggtcacgtt 120
 tcttctacag tcaggaagca gaagatggat gaatagctgg tctcagggtta ttctctgata 180
 ctgcagcatc tcagtcaaac agatgcttcc aactgcaatc aacagacctn ctgaaatcaa 240
 ttttaattaat caagataaat tctacaaatc aacaagggc ttgcaaatca natgattcta 300
 gaactgatgg tactaacaat ggagatacaa gaattacttc ttgatctttg tacatataaa 360
 acacagttaa ttaaaaaaat taaaaaaaaa aa 392

<210> 1240
 <211> 164
 <212> DNA
 <213> Mus musculus

<400> 1240
 acgaggacca caaggcagaa aggagaactg aagaatccaa agccccagtg tacacacatc 60
 tcttctgact cttccagcaa gacggccctg ttttccacta ttccaggatc agacngagg 120
 canaggtcaa cttccaacc acttctcat gtgcaccctg ccct 164

<210> 1241
 <211> 200
 <212> DNA
 <213> Mus musculus

<400> 1241
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 atctntccaa natgaccctt gatcagnact cagagcnaa ctggagggna ganntgggct 120
 aanggccag gctgactgca ttacnctnc cttgannaga cttatacgct atcantntan 180
 atataggaag agaaggcctt 200

<210> 1242
 <211> 220
 <212> DNA
 <213> Mus musculus

<400> 1242
 acatggcaca gccacctctg tataaatatt ggggccacac agctgcaaag gcatctcctg 60
 caggaggacc taattgagga ctgcttgaga ccaaggatta tttatgtaaa caatgtcagc 120
 caaactgctg ttttggggac caatggggca cgagtagagg gtattaaagg agcttgcagc 180
 agttcagatg agcgtgctgc tgaagtctca aaaaaaaaaa 220

<210> 1243
 <211> 150
 <212> DNA
 <213> Mus musculus

<400> 1243
 aaccagcata tgtgggagac ctgacaaccc ggctgtgtg gaggtntcac aagccaacgc 60
 ccancacag gggaccnact gttcctggna ctggaangtg tnggatacgg ctngtcttn 120
 tacaatgctg agagagggtg ttaatacccc 150

<210> 1244
 <211> 350
 <212> DNA
 <213> Mus musculus

<400> 1244
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 gcgtctggaa tgctgttgga agcctgttgc tgcccttttg ttaccaagac tcagacagca 120
 tagaatctac tcagcatctc cttogocaca gcctcccttc cccaacatca cattagcctt 180
 gagttgtgat cgactggcag gagccctagc aggcctgaga atagcatctg tattatggta 240
 gaaagcccag aaatgaaccc tggggagagg ctctggagtt ggccctggaga aggagagagc 300
 attactatgt tgataagagg gaaacatgga agaccaaaca ggagacacag 350

<210> 1245
 <211> 248
 <212> DNA
 <213> Mus musculus

<400> 1245
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 ccccaggaga acctaacagg gggagaagag caccocaggt gtggctacat cgaaagcatc 120
 cagcatattc tgacagaagt cagtgggtgt caagctctgg agagtgcctg ccagcatgag 180
 gccttgaagt atgtagggtc gctggactgt gtggctgtgt accggggcaa gctgcgtgag 240
 attgattg 248

<210> 1246
 <211> 341
 <212> DNA
 <213> Mus musculus

<400> 1246
 acggcaggaa atggagccat tgctttctct gcaaaaagng tgtgaagcct tcctggatcc 60
 attgtaacac ctgcaatcgc tgtgcactcc cagaccattc ctgtttgggg cctaaagatg 120
 gctgctttat ttgtggtgcg ctggatcaca aacgcagcaa ttgtcccaac atcggcacct 180
 cttggagagc taacaagnta gttgaattct ttggctttct ggaaaaaaga ttgctcatgt 240
 caagcttcct aggagcaatc tacagaagta caaagctttc agaggactca gaatttttca 300
 gagtgcataa tcgttctctc caccattacg tgagatgcca g 341

<210> 1247
 <211> 352
 <212> DNA
 <213> Mus musculus

<400> 1247
 ggcagggaac tgtgagaaan ttgctcctga cagcgcacct gntccttca tgaantgaat 60
 ntgaatnttg atctacacan atncccggtt cttcttgact gtggtgactt gcancatcct 120
 agcagccta tcangaggaa aatgagcang gctcngccn ctatgcctgn nactggtntc 180
 gncaccatgc caangctctg nacatntgnt tctcngaag cnnaaacnga agnnccgtna 240

aacataagct	cggagatgcg	tgcacaccca	ggacagaagc	ctggacagga	tggcttccaa	300
accacactta	acaaccctcg	catgccgnga	gatgccagga	cttggaaagg	gg	352

<210> 1248
 <211> 243
 <212> DNA
 <213> Mus musculus

<400> 1248						
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gttgagcctg	gtgaatggct	ggctcagctg	taaggcccag	gatgagattc	tgaatttggc	120
cttcaccgtg	ggctccttcc	tgctcagtg	catcaccctg	cctctgggca	tcatcatgga	180
caagtatgg	ccaaggaagc	tcaggctgct	gggcagggct	tgntttgatg	cctcctgctt	240
gct						243

<210> 1249
 <211> 232
 <212> DNA
 <213> Mus musculus

<400> 1249						
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ctcaananaa	gctnaagctg	tcaactgnntc	ncatatatgaa	ctacacgtga	ntaactcctt	120
ttttctnatg	tctgactnnt	gtgncnctat	ctctnttttt	tggagtctgt	ctaatttcat	180
ctgtttggat	tgcttttaca	cattaaaaaac	caatttttta	aatgaaaaaa	aa	232

<210> 1250
 <211> 317
 <212> DNA
 <213> Mus musculus

<400> 1250						
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atgtctgga	tccgaaggca	aaggagccgg	ttcgctgtt	ggggacaaca	ctttcttctc	120
tatgaccatt	tcgtgattgc	catcaaagac	agcggcccac	gggggtgctg	cggattgac	180
atcccgaaca	atgaggaact	gtccgttggt	ctctccgatt	ttcttttgta	ttatgtctgt	240
tacactttcc	agtttcacgg	gtgaatcgat	gcctgtagta	attataagaa	gaaactttat	300
ggaaaaaaat	caaacgg					317

<210> 1251
 <211> 374
 <212> DNA
 <213> Mus musculus

<400> 1251						
ggcctcgca	gaagagagcg	cgcgcgggcg	tggccgggga	cgcgcagtcg	attggccgct	60
cctcgccgct	cgcagctccg	gctcggacca	accgcggagc	tgtgcctgga	ctcctcccgt	120
caccaggagt	ggtctcgaga	gcccgctgctc	gctgccttta	ttcagagtgc	gcctgcgcag	180
tagcaaagct	tgcttttgct	ccaggaccgg	ccccttgta	gtcatattgc	tagccaatcg	240
cggcgctcagc	cagtcataaa	gggcttggtt	tgtgcaaccc	caattctgcc	agncatttat	300
tttaaccttn	cgcaggcatt	cactgccagg	ggtggaccta	gagccatata	tataggggct	360
tagccagcac	cctg					374

<210> 1252
 <211> 178
 <212> DNA
 <213> Mus musculus

<400> 1252
gactgaggta ccaaccactg tgtgtgacct actaaagaaa ctacatggaa aatacaangc 60
gtgtctgtct tactgagtga gagaaagtga atcaagcata aacattcaga ggcttgaccc 120
agtatacagc aggtatcnna cacaaaccto tggctggagc tgcatagaaa aagaaaaa 178

<210> 1253
<211> 272
<212> DNA
<213> Mus musculus

<400> 1253
ttactgaggt gccaggccc gtggttctcg tccagctgga agggagggct gagctgctcg 60
ttgttctcag ctgaacacag cacaggctcc agggatagca tgcagagacg aagaggaaga 120
acagagaggg ccaggaagag acggcgccga agctctggtt caagagcagn gaatgagagc 180
tacagatcag aatttataga gctaanaaaa tggctgaaag aaaggaagtt tgaagacaca 240
gacttagtac ccgccagctt tccaggtgag ag 272

<210> 1254
<211> 310
<212> DNA
<213> Mus musculus

<400> 1254
actgaggcaa ggcaagacag tcatgcagtt ccaaactcgtc actggctgca cagcgtcgaa 60
ggccatcgtg gggttcctga aactgtctcc cagaaaatca aattctccgg ccagaaagag 120
ttccgttggg aaagttagctg cctgacatac cgtgtgccct ggaccccatc ctctgagggc 180
ggagacttac aggctcgtgc taccaacact cctgggttta tatggtgcag aggattgtcc 240
caaattcaag gtcagcttgg actacagaat atgacgatgt caaacgaaca agcaaacaaa 300
ccaaaaaaaaa 310

<210> 1255
<211> 115
<212> DNA
<213> Mus musculus

<400> 1255
gagaaatctt tctttgactc agaagaagag gcacttggcg aggtcctcca acaagtttgg 60
tgatcttaag tatgtccgag ttgtcttgca tccagacaca gagcattcta aaggt 115

<210> 1256
<211> 377
<212> DNA
<213> Mus musculus

<400> 1256
ctgcttcttc tttgggaagn aatgngcgca ctgcgaggtg tcccaaatnc ncangnacco 60
cganganggg cagtngcgg agccantctg aaactganca cnnncanac gtnananenc 120
accggtctnn tgganggaac gcagggcctg tctancttac cttggtgcct nncccggtgca 180
tntcncaacc tatctcctca ccggtaaaacc atatacacag cagacccaac ccagccagga 240
ctatcgaatt ttatctgtag cctaactcca ttctgtgaaac tgaaattctt ggaaacaaat 300
actattttaa atatcctatc tcattagatc tgctaaatat atttgtcctt gnacttactt 360
ttatatggaa atataaa 377

<210> 1257
<211> 237
<212> DNA
<213> Mus musculus

<400> 1257
ggaatggcca gtgaggactt ggaacctagt gaagaactag accagccctg ttttgaggag 60
tcattagaag acgccctgag ngacnancnc anttgaggtn ttggatgtga tatccantga 120
ggagctggac cttattgaag atnattcaan gtgaaggctg tacgtggngc cagggctaca 180
cttctcantg aggacctggg acctggtctt ccacgaggaa ggaagcccag tctctgg 237

<210> 1258
<211> 249
<212> DNA
<213> Mus musculus

<400> 1258
actggttaata tgcagactgn cggccccggcc tccctggtgt gaagcttgcg gtagttctga 60
aacagctccc tggccagcag tgcaccactg gagaatgtct tagaaatcca aactctctga 120
tccccgcaga atcaggaaaat ccagaggtgg agtacagcag catgggcttt acaaaccctc 180
agggaagatg atgtgtgtag aacctggtgg gccaccgttg tgcaaattaa aagaattcac 240
acaacctgc 249

<210> 1259
<211> 299
<212> DNA
<213> Mus musculus

<400> 1259
tgcctctgga caatggatac aaggaagcca aactccctgc ccaaggaaac aagggtggcc 60
tctactccag ntcccaaaaag agtactcctt tccatcagaa acctcatctg catggccttc 120
agacgacaca ctcccagcag ccttctgggt ctctgagccc ccaccacac tgcctgcgat 180
cttacagtag cctgcggctc caaactcttc ctttccctcc taaccagccc caaaagctct 240
gccacgcgtt cacgggcagt gaaataaagt acattttact ttngaaagaa aaaacataa 299

<210> 1260
<211> 211
<212> DNA
<213> Mus musculus

<400> 1260
actgagagtc ttctgcccc a ctcccacat agaggtcagc tccagggaag acttttgtcc 60
tagaggtcac caggccagcc caggccattg cagaggaaat cacatcctgg gctatttgag 120
ttctgctggc gntgattctg atggggaaga cacttctgca tctgcaatga caagtcaata 180
agataaagct gtgtttttta taaaataaaa a 211

<210> 1261
<211> 148
<212> DNA
<213> Mus musculus

<400> 1261
agactggggt cagttcttga gactgttctt ctctgctgcc tcagagcacg attacactct 60
ggagtaacct tttctttgat cgacctatgt gactcagaac acccacatat gagtttgaaa 120
caaacgatca aataaataaa cgaatgaa 148

<210> 1262
<211> 233
<212> DNA
<213> Mus musculus

<400> 1262
gagtatggac aacttggaat ggattcttct tcangtctca ccattaaggt caatgagagg 60

gcaagcagac	agtgcaagtt	accanaaaga	ctgcaaagtc	caactaaagg	gcgaanggag	120
acaccaacca	tancatcaga	agtcacggct	ggccggggcc	aggctacacc	ccgtatacta	180
agggagaagt	ggctttacta	ataaatccat	gtttgaacct	ggaaaaaaaa	aaa	233

<210> 1263
 <211> 102
 <212> DNA
 <213> Mus musculus

<400> 1263						
ggtcttagaa	aaatacccta	tgtggcaaga	aaggccgatt	tcttacctat	tggagaacat	60
ttgtctctaa	ataaaatctc	aatcgttcca	gagaaaaaaaa	aa		102

<210> 1264
 <211> 267
 <212> DNA
 <213> Mus musculus

<400> 1264						
gaaattctac	ccccctgttc	agcttcaaan	caaacacaaa	acnactgaag	aaaanaatag	60
gangagggag	agaangggga	anaagagaag	gacagtaatg	aagataggat	gaacaacagc	120
tctttgtcac	cttttggact	ccaatgcatg	ctcagtgaat	tgggaataatg	ttgatctttg	180
gaaatattta	gaangaccct	atgaaaaatgg	gatgatgaac	ngntctttgt	cnccttttgg	240
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<210> 1265
 <211> 270
 <212> DNA
 <213> Mus musculus

<400> 1265						
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ttgagggtgcc	cagaagaaac	gactanagat	tagtttgaag	cctcgcccaa	gaaanacatt	120
atttccccaa	atcttgtcca	agcctggggc	ccccaaaggct	tattgccaat	ggaagcctca	180
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atttcaaggt	tacccttttg	gaaggtaaaa				270

<210> 1266
 <211> 259
 <212> DNA
 <213> Mus musculus

<400> 1266						
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tatggaagac	ataagatctg	tcactctgaa	tacaagcctt	gtgaacttaa	gggatatgga	120
aagaagcaat	gtacctttgc	agataaaaagg	tttcttcaaaa	tatatggaan	aatccatact	180
gaagggaac	cctatgaatg	taagcaatgc	agtcaaactc	tcacaaattt	ctgtcatctt	240
cgaaaacatg	aaaaaaaaac					259

<210> 1267
 <211> 131
 <212> DNA
 <213> Mus musculus

<400> 1267						
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ggggggaaaa	gaaagtacct	ncacagtcct	tagagaacgg	ganagctnaa	gancgcttta	120
aaaaaacaaa	a					131

<210> 1268
 <211> 226
 <212> DNA
 <213> Mus musculus

<400> 1268
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 ttnataccaa ataactgcac cangtcacctg tgatgnncca nanntacata tgganggcnt 120
 gnntgnccat ttcnaccacc gttccttcta aatacngag ttcntgtcca aggacctgag 180
 ttttaattccc agcattcnta ccaaataaat caccaagtag ctgtaa 226

<210> 1269
 <211> 110
 <212> DNA
 <213> Mus musculus

<400> 1269
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 natgcacttg gttcaatana gacttttggg aagngtccaa aaataaaaaa 110

<210> 1270
 <211> 196
 <212> DNA
 <213> Mus musculus

<400> 1270
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 ttntgccccaa ggaaagcggc gctacnactg caagcanagn tggttacggg ggggnaaaca 120
 aagccanttt tttntaaaga nggccaaaacc cacaaaaaaa attgtcctca ggnttgggng 180
 tgttgacccc actgca 196

<210> 1271
 <211> 320
 <212> DNA
 <213> Mus musculus

<400> 1271
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 ttngtngcct ggncataaac tactaattca gacnncacaa aanttattna agaaagaaga 120
 aacaatgtaa ctcannactc gggaggaccg aggtcnnngn gaagagggag gtgggaagag 180
 catggccttg ccacgatttt tgcagagagg agctctccnc accagcttca gccatcacca 240
 ccttgctgtg tncctgctca cgttcttcag gtantggctg gctgacactc ttgtcttctg 300
 cctgtgggga cgatacttac 320

<210> 1272
 <211> 127
 <212> DNA
 <213> Mus musculus

<400> 1272
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 gannaatgaa ccccgcccc cggttcttta aanacttttg gaaagngtca aattaaaaacc 120
 ttgatca 127

<210> 1273
 <211> 188
 <212> DNA
 <213> Mus musculus

<400> 1273
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 cacctgggag gcaaaaactgg actgaaaaga gaggggaact aggcagtcgg gagaaaaatg 120
 gagctaagtc aagattcatg atcaaagctc aaatgtttta taaaagtctg ccatgccaaa 180
 aaaaaaaa 188

<210> 1274
 <211> 103
 <212> DNA
 <213> Mus musculus

<400> 1274
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 attacttctt ggggaactct caaaggctcg acaggaccaa caa 103

<210> 1275
 <211> 183
 <212> DNA
 <213> Mus musculus

<400> 1275
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 gcagctttgc aggaagctaa tatccaaatg aaactcagca gccctcctt tcccagcttc 180
 acc 183

<210> 1276
 <211> 450
 <212> DNA
 <213> Mus musculus

<400> 1276
 gactgagtgg actatgccga ttattaccag ggcctatggg attgccatgg tgaccagccg 60
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 tacngctggg gggtaggana gctgaacagc tgnatttga attcgttcca naggantatt 180
 tnaccaccga ctttgaaatg gaaggaaatg tgaagccan ngaacatatt ctcagaccat 240
 aagaaactnc cgtcccctac tntggccatg gatccttctc ttccctgaat ggagccaaga 300
 ctntnctgtt tcttngact ttaanccact gttaagatga gtaggaagaa nacagnncat 360
 caatacctgt ttctnaagca ancagcttct aacttctgc cctctctgtg nccccacatn 420
 cataagcctt tcttacaagc ctgctacaaa 450

<210> 1277
 <211> 150
 <212> DNA
 <213> Mus musculus

<400> 1277
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 tcccctccct tgctttctgt catcctttct tctcatgtcc acactgctct tcaaataaaa 120
 acattttctc tgctccctta aaaaaaaaaa 150

<210> 1278
 <211> 479
 <212> DNA
 <213> Mus musculus

<400> 1278
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aatgaagaga	ctgtgtgtgt	caccgctcat	aagagagaaa	aagagggagg	gaaggagaga	120
gctcttttaa	caaaagacaa	ggaggcccaa	gtaggggcct	ggagccgtcc	ccggagcctg	180
ctcagcctga	agaccctcca	gttccccggc	tgggcaggca	tttcggagag	ggtctgccac	240
cgaggcggaa	cgggccggcg	ctcgcgcttc	ccgcggctgg	agaagaacta	gagacaaagc	300
cgggatccaa	ggccttccag	cgaggctcca	atcagcgccc	gcccggagct	cgctcgccgc	360
cgggcgaggc	gcgaccccct	gcgggctgtg	actagggagg	ggagcccagg	cccggactcg	420
gccttccagc	cgccctggct	agccctggct	agccacgttc	ccccggtcgc	actcagcct	479

<210> 1279
 <211> 177
 <212> DNA
 <213> Mus musculus

<400> 1279						
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ancatnaggc	nnatgggttt	tccatctctc	naaagaccac	ncgtncaaag	aagtcaccag	120
tgantnnag	ttccaagnag	gctnttttgg	ctngtaaaac	cccaaagaag	actacct	177

<210> 1280
 <211> 285
 <212> DNA
 <213> Mus musculus

<400> 1280						
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atcttctacc	ttgcctcact	cctctacacc	gtcagctaca	tctgggtgtc	gtactcggag	120
ctgaggagga	agagcggcca	gagtgaagag	agcacggttg	cccagggtgac	agattatggt	180
tgccaaggtg	gtcacatatt	gttccttttg	ccaagtgaga	cccccaaagg	ggtgatgacg	240
cctgtgntcc	ttttgggcaa	tgncaatgaa	tgtttccaca	acttc		285

<210> 1281
 <211> 350
 <212> DNA
 <213> Mus musculus

<400> 1281						
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agaaaaaaga	acggagatat	ccctgtcagt	gtcaatgaag	atcctccaaa	agattgattg	120
gagagtcaat	gatccaagaa	gacttagagg	aggagtttca	agacaacca	ctgtggactg	180
gcctccttgg	ctttctgcct	tacctacttc	ccctccttga	tcccttcctc	tttctcctcc	240
ctctcatggt	gggcaagatc	acacaatcct	tccaacagcg	tctagaggac	cagctctcag	300
agtagcagaa	gatatttatg	aagctgccaa	gtgagaacca	caaaggagac		350

<210> 1282
 <211> 156
 <212> DNA
 <213> Mus musculus

<400> 1282						
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cgntctcatn	tccaccgatg	ngtttancta	ctctgnanac	cttcttgcaa	caggagacat	120
anggtggcgg	agntgttatt	ttccagcggg	aacaca			156

<210> 1283
 <211> 266
 <212> DNA
 <213> Mus musculus

<400> 1283
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 ccaagtgaga accacaaagg ctcgagacca tnagcggcct cttgcatata ctttccagt 120
 nntttgtcag agagatccga cagagcccta gtcctncag aggtggncca naaagcgagt 180
 gacgagagcc cancagacat ggtaaaaatg accangtcca aaactttcca agcttatctn 240
 gcncactgt caccgaact tacagc 266

<210> 1284
 <211> 184
 <212> DNA
 <213> Mus musculus

<400> 1284
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 tccaaagagg tgcttgagct cgagtcctca aannngggn nnnctggcag cntttgcggt 120
 atatttgnaa acananaccc tggtnaccct agaggctntt acagagattc ttggcattga 180
 acca 266

<210> 1285
 <211> 121
 <212> DNA
 <213> Mus musculus

<400> 1285
 gtggattctt ctcacaccca tgtcccgccg cgaagtggag gaccacaaag cgattgagaa 60
 gattgtctac caaatntaga acagactaga tttatccac agccactgga gaaaaaaaaa 120
 a 121

<210> 1286
 <211> 102
 <212> DNA
 <213> Mus musculus

<400> 1286
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 gcttgagctc gagtctnac accggagcca aaaagaagaa aa 102

<210> 1287
 <211> 228
 <212> DNA
 <213> Mus musculus

<400> 1287
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 ggcccnaccn ngaggagga gacnncaga ggattattct gatccagaat cgagacagta 180
 atccagaggc ccaacctccc caagtgagaa ccacaaaggg agtaccac 228

<210> 1288
 <211> 214
 <212> DNA
 <213> Mus musculus

<400> 1288
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 ctttcagcag gcgcctcgga aatttcattc gatagtcgga catgatggct acgccttcaa 120
 cccagccta gcccggtgta cagcgcaagt tccaggatgg cagagggcta ggcagagaag 180
 cctgttttg aaaaaccaa gaagaaaagg aaaa 214

<210> 1289
 <211> 281
 <212> DNA
 <213> Mus musculus

<400> 1289
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 gatttccatt gcgaagcttg agctcgagtc ctcaaactg cgcctccgat tgacgaaatg 120
 cttctcacc accgtcatca tcggcgaagt taagggtgaa gactcatctt tagtaataag 180
 gcatgactgt aattccngca ccctctggcc attattaatt atgattcatt gcatgaaaga 240
 gaaaataaag atctacatac gctcaaagca caaaaaaaaa a 281

<210> 1290
 <211> 336
 <212> DNA
 <213> Mus musculus

<400> 1290
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 ggacntgaag ngngggcctc ttcnntntag tncattctga anaagaagct gnccttcctt 120
 tcaggangaa aggacagacg cnngtggnc tcatnttgaca attgncaggt gtgccttgag 180
 catgacacan tatggatgag ctgagngncn ctttngatta tntactnnnc attccnagtg 240
 agaccacacn taggaattcc gctgtgcctt gagcagacaa gtatggatga gctgagtgtc 300
 acttttgatt atctactcag cattccaagt gagacc 336

<210> 1291
 <211> 310
 <212> DNA
 <213> Mus musculus

<400> 1291
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 cctggatcat gatatggaga tcattttaag gttcctttac ttctttttgtg tgaatcggtg 180
 tcctacggaa gatcagccat tgcctccagcc ccactgcctt ctttctttaa gacactgagc 240
 ggatccacct gtccctggatg tctagtcttg tgagaataaa attgttccca ttcaaaccce 300
 aaaaaaaaaa 310

<210> 1292
 <211> 394
 <212> DNA
 <213> Mus musculus

<400> 1292
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 aggnatgtgg atgctgtgag ctccgagacct catttgggag tatttgtgtc cttcaaaccce 120
 gaagntctcc tctttgtctg gctatcgga acaactgggtg tgtggatgct tgagctcgag 180
 ncctcanaga ataacatgct ggagttggtt ctctccacat gggctccagg attggctatc 240
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 gatgttttaa gctatgtatt tccacttact ttggctatgn ngnattncce ttctttnttt 360
 tcttnttttc tttcttctct ccttttagtt cttt 394

<210> 1293
 <211> 112
 <212> DNA
 <213> Mus musculus

<400> 1293

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actgctcccc	tggaattttt	ttatgaccgc	aaccaagtga	gaaccacaaa	gg	112

<210> 1294
 <211> 191
 <212> DNA
 <213> Mus musculus

<400> 1294						
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agcncncag	tgaagcagg	actgccttca	ttcancancc	anctagcctc	catgcagcca	120
tggaatgacac	nttnatgnga	acacatgtng	nctgcctagg	ccatctnact	ctgncccat	180
catgggccga	a					191

<210> 1295
 <211> 377
 <212> DNA
 <213> Mus musculus

<400> 1295						
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agatccaact	acaagcaagg	acatccactt	cttctgaggt	tgtcttggtt	cctgggcctt	120
cttatagcct	gcagaaggac	cctcccagtc	tcctgggcag	ccaagtaa	agaagtggga	180
ccgcttctga	catggcttcc	ccgtgttctg	gggacctcag	ccccactgg	ctggccccgc	240
cccctgtcac	cactccagga	ccggctgcgc	ccaccgcacc	gcgcttcccc	gacatctacg	300
gcggcgacgc	gcagctttgg	gaggcgcatt	tccgcggcat	cgggcgcgcc	taccgcgctt	360
gagctcgagg	tccttaa					377

<210> 1296
 <211> 361
 <212> DNA
 <213> Mus musculus

<400> 1296						
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gatgccttcc	cagaacagaa	cccagacatg	tgagccgctg	gccggacaca	acagaactgg	120
ngantgtata	tactttgagg	catannngnan	ntactactct	gcngtgnagg	anacaactcn	180
ngctnnngntn	gcaggntgca	ccaacggttg	ctcntgggnt	ntcanntntt	gnaggcnttt	240
cnttangnac	atggttggtg	ntccttggg	taganatggg	atagcctcta	tntcntcgac	300
tagtnttcca	atacaatgct	ttcttctact	ccaccaaata	aattccattt	ttgccagaaa	360
a						361

<210> 1297
 <211> 223
 <212> DNA
 <213> Mus musculus

<400> 1297						
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cgttggcagt	gactgcatat	ggttgtaact	ctatcaagaa	gcctggagaa	gctgggtcaat	120
agaagagtat	gggagccata	ccatcggggc	tggtgctgac	agtggaaact	gaaagaaaat	180
gtctattgat	taaaatgaca	ccatttcttc	taaaaaaaga	aaa		223

<210> 1298
 <211> 452
 <212> DNA
 <213> Mus musculus

<400> 1298
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catgggaaca acaacatgag tacagacaca gntnaggaga gaganagaga gagccagtat 240
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ctttgctttg ntatgggtcc tgccctctcc accagaggca ggaagagctg gcatggagct 360
gctgggcaac acgggccctg nttccccacg tttagtngnc ggacagaact atgttncanc 420
ctgggctggt gagtaaagct ctgggtctgca ga 452

<210> 1299
<211> 382
<212> DNA
<213> Mus musculus

<400> 1299
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cctgagaagt ggnctggagc ctgtaaggag aatcagcagt ccccatcaa cattgtcact 120
gctaggacaa aggtgaaccc cagactgaca cccttcatcc tcgtcggcta tgacaaaaag 180
caacagtggc caattaagaa caatcaacac acagtggaga tgacgctggg gggaggtgtg 240
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ncaaattgga atgacaacgg ttcanagcnc agtattgatg ggagacactt tgccatggag 360
atgcncatcg tgcacaagaa gt 382

<210> 1300
<211> 375
<212> DNA
<213> Mus musculus

<400> 1300
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aggattgcta tgaattccag agtggaatt accatatggc aagtagtaag ccagccagag 120
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tccaaagtag ccaaaaaagg agggagaaga ngaggaggaa tagaagaacg aggangcgga 360
agaagaggag gaata 375

<210> 1301
<211> 125
<212> DNA
<213> Mus musculus

<400> 1301
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gtaagtatct aattcactct tctttttgaa aagtattctt gacatggagt ggaaaacaaa 120
acaaa 125

<210> 1302
<211> 315
<212> DNA
<213> Mus musculus

<400> 1302
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ctagcccagg atgtgattga gctagccctg gatgtgattg agctagocca ggtatgagctt 120
cccacantac acagagtant ggtggctcag tggaggactt cttgcttttc cagtgtggnt 180
ggagaaatgc ncatttgaac tggatgttgc ctccgtcctt ggtttaggca ttactccttc 240

atggaggtccc tgtctcaatc tgtaccagtg aacaaatgta aaccatgaat ttgtctttct 300
ttaaaaaata aaata 315

<210> 1303
<211> 241
<212> DNA
<213> Mus musculus

<400> 1303
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gtacagagga actctactat aaggatgagc cccacagatc cactgtaagc ctgacatatt 120
aattgtgatg accttacnag aaaagtgata ttttaatatata aacagcaaca gaatttaata 180
atggatagag tatcccccaa aacgtctgtc atgcataatt aaaagcacat acttatgctt 240
a 241

<210> 1304
<211> 448
<212> DNA
<213> Mus musculus

<400> 1304
ggctagtgct gccttttcgga ttcatctgag aaaaggcctg ttgctgaggg tgacatgnng 60
tgactatacn agactcaatg ncgggtgtact gagagcaagt gantgtgggt gctcaggcct 120
gagtgggaca tccacatcaa cacctgccaa ggcccaggga gcttcacgga agaggactcg 180
gagagaagat gagaacaagg cgatgagggg aagtgtctgcg gaacaccgtt tcccaggcag 240
aacatggcca ctgcactcct aatcgctcag caactgagat gacttgagtg agacctgcag 300
aagactgggc ccgtcagcat cccatcatgg atgggtaagg gatcataagg acccgcttcc 360
ctgaagctta cagttgggtac ttgctgggat tggggtgggc ttttanggn tttaaaaggc 420
nacaccattt cccagtgtgc atgtgttc 448

<210> 1305
<211> 280
<212> DNA
<213> Mus musculus

<400> 1305
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gacagtnngg cccgcgggtg tttgcttccg catttcaagg tgnccctggnt gttgcggctg 120
gagacgtgtt caaagaggtc atagatgaan ncgaacctgt gtgaaggag cagagactgt 180
gaggtgtgta cacngtgacc gtcaggtacc tgctactgta attacagtgt agttctacaa 240
tgataattaa aataatacac ggggccctga aaaaaaaaaa 280

<210> 1306
<211> 116
<212> DNA
<213> Mus musculus

<400> 1306
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gtgaagttgg cattttcacc tttgcccata taaaattgng tgtagaaata aaaaaa 116

<210> 1307
<211> 155
<212> DNA
<213> Mus musculus

<400> 1307
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ctcaacttga caagattcgt ctggatccca ggaaaaacat ggatccatga cttcttcaaa	120
tacagattcc tggttttctc tgtcggaaaa aaaaa	155

<210> 1308
 <211> 158
 <212> DNA
 <213> Mus musculus

<400> 1308	
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gcantngact tgatctanaa naaactgcaa ggctcccg	158

<210> 1309
 <211> 336
 <212> DNA
 <213> Mus musculus

<400> 1309	
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ccgtgggggaa aaacggagca gcccccgctc tcttgagct ggccaatgag gtggactatg	180
caccttcatt aatggctcgg attatcctgg agagatttct acaggggcat gaacagactc	240
cacctnact ggctanttnc tncnctcagg tnccttantng ttttctataa catgnatgnt	300
tgttaccttg nncacagaata agaatagatt agagca	336

<210> 1310
 <211> 240
 <212> DNA
 <213> Mus musculus

<400> 1310	
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gggaagcatt gtttgagaga tgtgctagtg aaccagagag tttggatgtc aagctgtata	120
atgtttcttc aaaaaaagtt ctaacaaagg gatctttaac ttttttttct tccttctact	180
tttcttgta ggctatcagc ctttggtataa tgaaatgnga gctttgctta aaaaaaaaaa	240

<210> 1311
 <211> 298
 <212> DNA
 <213> Mus musculus

<400> 1311	
gacactcaag gcaccagctc tcctcaaata tatagaagaa taaaagncaa ggaacaaggc	60
acagcattgc attccagagt agaaccccag tngcgaacca ttgacaccaa cacactgggc	120
tgggacactg gcttntgtga tcttgacagc gggagttgnc tttgcatgtg aatgagctgg	180
ccaccattgn ngtaacgatg tgaaacagac gtgaaacngg ggaattctng aaccnnttan	240
tgtcttctng caacanaaaa ttctggttga gncacgttga ccatttttaa aataataa	298

<210> 1312
 <211> 119
 <212> DNA
 <213> Mus musculus

<400> 1312	
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gggcagaggc tgncccatgg aaccgtctgn aaaaancaacc ctnttacctt ccgggggag	119

<210> 1313
 <211> 182
 <212> DNA
 <213> Mus musculus

<400> 1313
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 attcctgtta acagtataaac tcatggccca ccagctacaa agtgtctttg ccatgaaaca 120
 gaggacatga taaactgttt accttaatga aattcaagtt gcattgtgaa ttctgccaga 180
 ta 182

<210> 1314
 <211> 287
 <212> DNA
 <213> Mus musculus

<400> 1314
 aatgttctcc catcgaata cctgaagcag aagaactntn ccattttcct tgggtntgga 60
 ctaacagaaa atnaaaaatgt cncataggtgn gnaaggatgg ctacagaagca aaggacattt 120
 gttgctcctc cagaagactg gagtatgcct nctntcacac acattttgggc agcccatgat 180
 gcctctaagt ccagctncag gagatctgat gctctcttag ccttcttggg caccatgtg 240
 cacgtggcat gtgcacacac aaggaaataa ataaatagga taaataa 287

<210> 1315
 <211> 101
 <212> DNA
 <213> Mus musculus

<400> 1315
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 gcatgcaaaa caccatata caaaatataa ataaaataaa a 101

<210> 1316
 <211> 214
 <212> DNA
 <213> Mus musculus

<400> 1316
 aactgaggt ctgtggaatg ctgtggactc ggatgctgta tcaggcctgg gtgttattgg 60
 ccatatcatt gaaaaagaca agatcactac caggacgctg aaggcccaga tggactaacc 120
 tatgctctgg atggactaac ctgtgctctg gtcccgctc cttttttgnt gnttttcttt 180
 ttaataaaat cacctttctt tcaaaaaaga aaaa 214

<210> 1317
 <211> 328
 <212> DNA
 <213> Mus musculus

<400> 1317
 agcctgagcc agatacctga tgaataactnn aggtagaagc atttctacac tgactcaact 60
 cagctataaa cctctgcaag gaaggaattc taacccatag atgctggtat cacctgcacc 120
 aaggcaaagg aagaaggatg cttcantctc cagacagcct gatccaactc cagatgtcan 180
 gatagancaa gtggctgggg accctgggggt cacagtctta gggatgatg cctgngcaan 240
 antcttngt tttgagatgg agttagncca aagggaagag cntaaannaa ctcagatcca 300
 cactgatctg cctgacacaa ccccgaaa 328

<210> 1318
 <211> 325

<212> DNA

<213> Mus musculus

<400> 1318

agacctgggc	agagccataa	ttactttcttg	tggaactctn	nnaggngnga	caggaaaaag	60
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agnatagaat	tatcacaata	cntngcattt	ttcnantggg	tggttaggc	ccaataaaan	180
agganaaga	gatcntgcaa	aacaaagagg	atgaaagcaa	ggctgacaaa	ctcagaagaa	240
cagcggtgac	ctgcgagggg	tgagtaagaa	aagaattctc	tgctgcccaa	cactgtcaca	300
ggcaggacag	aagtgaactg	aggaa				325

<210> 1319

<211> 227

<212> DNA

<213> Mus musculus

<400> 1319

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tacatgtcct	ccaaagcaac	ttctttgtct	tgtcataata	aggacagtgc	atccccctct	120
gagcagctag	aattggatgg	gtggaaagct	acnatgaagt	cgagcattca	agaagatggg	180
gtttcagagg	tctcagacaa	agntgaagat	tcccttcgcc	tcggcca		227

<210> 1320

<211> 465

<212> DNA

<213> Mus musculus

<400> 1320

ggcatcctat	cacttttacag	cntaagatgc	tccgagcnca	gcctgaaatc	ttggaatgac	60
agccngtcan	acctctgtag	cancagacca	ggaggaggaa	gaggagatgg	tcttcggtga	120
aaatgaggac	ggactggaag	agatgatgga	cctaagnagc	cttgcccacc	tcactctttg	180
cttgacagtg	tccatgaagc	agtgtttgag	gtccaagagc	aaaaggagag	gtttgaggcc	240
ctgttcaccc	tctacgatga	ccagggtcana	ttccanttgn	tcaaganctt	tcgcanagtg	300
aggatcaact	tcagcaagcc	cgangccgcg	ncnagagccg	cgnatagagc	tncatgagag	360
tganttnac	ngccggaagc	tgaagcttta	cttcgcacag	gtgcaggtgt	ccggggaggc	420
ccnggacaag	tntactttac	tgncaccaca	gccaccaag	cagtt		465

<210> 1321

<211> 489

<212> DNA

<213> Mus musculus

<400> 1321

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cctggacaga	gggcctggcc	ccagggtggac	gcgaaggcgg	cttcctgtctc	cctctgagtg	120
catctgtgga	cttggttgca	ggctcacctt	taagatattt	gtgtgactcc	caacttctct	180
tccgtatctt	agcagtttga	ggttcacgag	gcagcaagga	tcagtaggaa	gcacaggtat	240
taacaagttg	gccaaagtgc	acgtcccacc	tctgggatgt	cgtttagtgc	ctgggtgtcat	300
ggctgcagtt	actctttcat	gtataaagca	gggatgctgt	atctacctca	cacggttact	360
aaaagcaaac	acggaatcca	aagccctggg	cacatgccga	catctgaaaa	gctggtgttt	420
ctcccacctc	cctccgagtg	catgctgtac	gcagctcttg	cttttatccc	tggggaaag	480
ctgaggtca						489

<210> 1322

<211> 169

<212> DNA

<213> Mus musculus

<400> 1322
aaccagcaac ctaccctgnc tcttgggacc ctagnattta tataccctnt gnagantnnc 60
cagaattnca gangtcncac tatcncagaa actataactca gntggcaata anannataacc 120
cctgctagag cattgaggna aatcatagtc agctgctgag gacagactg 169

<210> 1323
<211> 269
<212> DNA
<213> Mus musculus

<400> 1323
tgaggctcag attcccaacc aacaaggnc t caagggagga ccaccaatgtg ccgagccatc 60
tctcttaagc gcttgntgct gctgctgctg canctgtcac aactcctagc tgtcactcaa 120
gggaagacgc tgggtgctggg gaaggaaggg gaatcagcag aactgccctg cgagagttcc 180
cagaagaaga tcacagtctt cacctggaag ttctctgacc agnggaagat tctggggcag 240
catggcaaag gtgtattaat tagaggagg 269

<210> 1324
<211> 566
<212> DNA
<213> Mus musculus

<400> 1324
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nnagggcnca ctactgcanc ttaagncncc atgcctgcaa agnaagctgt acccgttgga 120
gccatcanna cctaactctga agcgaggagg ttngacgttc tcntaagcaa gggctgnctc 180
catggcctcc tcanggtatt ctgtaccagc tggnnccagt agctccatca cgggtantgag 240
atgcangatg cnnaaagagc cttctctacc tggcttatnt ccatttatcc tgcacatgcc 300
cgagatgcc atcatacagc atgatacnag gtcagctgac tgtggaaggg aggagtcatt 360
catgagccag ganaacaaag tgcacttgaa gctgngaact ctacagagtc agtcagtnaa 420
catcccatgc ttggctccca cgtcccgna gactgctatg ggtoaacggc ctcangtgct 480
cccaaaaacg ggcaatccga tccaacgatt gcttttactt tgacagctgg tgctgtcag 540
cttatttata cttcgagaat atactg 566

<210> 1325
<211> 193
<212> DNA
<213> Mus musculus

<400> 1325
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gtngntaccc aagttgtgct cactaccatg agntttonatt nngcccnngg agaaccngnt 120
nngatacaca gttaaataca cagttgcaag cagaccaaga gcatcaggat gcccaagtga 180
gaccacaaa ggg 193

<210> 1326
<211> 386
<212> DNA
<213> Mus musculus

<400> 1326
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cacnatactn nctgcgngnc gtctgaaaaa cgagtgggtg gaaagccatc cagaggcttc 120
cattagttag atttttgagc agaaacaaca attggaagat atcgtctccc ccattcctagc 180
acnaaatgtc tacaccacgn catttngntn cctcataang agaccttnca ctnatnaaca 240
ggccaagnga gaagcannna ggttttacag atgccacatg gtgtagaagg ctacattaca 300
tttcagtatt aaatacgaca aacctgttcc tegttoctgc caagttcaag aaatagatnc 360
aggcttttgt caaacagccg aaaaaa 386

<210> 1327
 <211> 245
 <212> DNA
 <213> Mus musculus

<400> 1327
 gagccgtgga ttctttctcac acccatgtcc cgccgcgaag tggaggaccc acaagnctgg 60
 gaatgagatn cagggcnctta tacntactag cacaaatgct gnactacgga accacacttc 120
 nnaccctgtt ggttntggag aatntnctga atntttttct ganatntact gaaggtcacc 180
 agctttggag aatccnagga atgttcccc ttagaggaag aatgctgttg gtcagtgaag 240
 aacga 245

<210> 1328
 <211> 499
 <212> DNA
 <213> Mus musculus

<400> 1328
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 aaccacagcag tgatgtggag gtggagactc acgggagccc cggacttcac ctgagctacc 120
 tcagtcgcca agngagaacc acaaaggaag aagaccctga cttggggggg accaggatgc 180
 ctgaccggga cagctatgcc aacggcactg gcagcagcgg tggaggccct ggagggtggg 240
 gcagtgagga ggccagtggg gcagggacag gcagcggggg agccacctca gatgccatct 300
 gtagagactt cctgaggaac gtctgcaaac gaggcaagcg atgtcgatac cgccaccag 360
 acatgagtga ggtatccaat ttgggggtaa gcaaaaatga atttatcttc tgccatgact 420
 tccaaaacaa ggagtgtagc cgccccaaact gtcgtttcat tccacggctc caaggaggat 480
 gaggatggct ataagaatg 499

<210> 1329
 <211> 140
 <212> DNA
 <213> Mus musculus

<400> 1329
 ggggggagcg tggattcttc tacacaccca tgtcccgcgcg cgaggggagc acccacaagg 60
 actctcagng ntcnnntctn tntctnttca ccangnagat gcnggacnga ttccactctc 120
 ccaagtgaga accacaaagg 140

<210> 1330
 <211> 262
 <212> DNA
 <213> Mus musculus

<400> 1330
 gtgggggagcg tggattcttc tacacaccca tgtcccgcgcg cgaagtggag gaccacaaag 60
 ngetgettta tcacctcact gcttangctc tgctctcaag cnaagccaag tgcaaactct 120
 ccaagngaga accacaaagg cggccttggn catnatagnn tngacnagcn tctgntccct 180
 ctaccanngt aaaaantact gntctctgac ncaccactac ccagcctacc cctgctgcgg 240
 nggagtctaa acctttaaat ga 262

<210> 1331
 <211> 341
 <212> DNA
 <213> Mus musculus

<400> 1331
 agcgtggatt cttctcacac ccatgtcccg ccgcgaagtg gaggaccac aaggctnttn 60
 ancnanctn tgaanaant tgntatgctt aaagaaatgg acnnngatct taactcagta 120

gncattgctg	tgaagctgca	gggtatcaaa	anggattctt	cgctccgatg	agnncatcct	180
ttnagnacagn	ggncctgggtg	agacagagct	ccagtttact	cttctccntc	cagnaccctt	240
atttccttat	ncganatgcc	ancannactg	caaattatgt	ngcacaggag	gaagcggtag	300
aagaaccnna	actatcttgg	gctataaaac	cttagctgag	g		341

<210> 1332
 <211> 179
 <212> DNA
 <213> Mus musculus

<400> 1332						
gaggggagcg	tggattcttc	tacacaccca	tgtcccgccg	cgaggtggag	gacncacaag	60
gtagccnttg	aaacattggc	ttgagctcga	gtcctcanac	tactatgagg	attaaattaa	120
ccaatatatg	aaggtacttt	ctacaataaa	atgctcatta	caaagtgtta	aaaaaaaa	179

<210> 1333
 <211> 109
 <212> DNA
 <213> Mus musculus

<400> 1333						
agcagcgtgg	ctaagtnta	cacacccatg	tncccgccgt	gaagtggagg	accacaagt	60
ggttcaactg	gagctaaanc	cgaggcccg	ntagcaggta	gacctttag		109

<210> 1334
 <211> 236
 <212> DNA
 <213> Mus musculus

<400> 1334						
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ttgaaaagac	aaantcagan	ggattgaggt	tgtctgaggag	acnaatattn	nagacctagg	120
atcaatcacc	aggaacagaa	gtggnnatac	atgtncactc	atacacanca	catgcactat	180
aanataatga	gttaactaga	cngcntcata	aaaatcaatt	aaccaattct	acctct	236

<210> 1335
 <211> 246
 <212> DNA
 <213> Mus musculus

<400> 1335						
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ngnntgaana	cagntacnct	gnacttatct	gnaatcataa	ataaatccta	gngccggccg	120
gagctagnng	agtgtaccag	agcgagcaaa	agtctctaat	tcaattncca	gcangctgat	180
gaagcttcgg	nacagctaca	gtatgtactc	atctacataa	aataaatgat	taaattctta	240
aaataa						246

<210> 1336
 <211> 429
 <212> DNA
 <213> Mus musculus

<400> 1336						
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agatggagga	ggggagctgc	agagattcgg	ggttttattg	tataccctca	tcctcctgcg	120
ataccaagcc	agccagaggt	ggcgctccctg	actgctctgc	ggctcctggg	agggcaggaa	180
gctggcgcg	ccgcccactg	ggcaggcacc	acttggccta	gcccgtgtgt	cgctggaact	240
cgcaagcac	catcactctg	agttgagttc	ccgagactcc	ggcctgggtca	ccctgagctg	300

ttttcctccc	acatcgtcag	ttggcctctc	tcgcaagtct	cctgatctcc	cgccatctgc	360
ttttcccttc	cttgaccgat	ctctggaact	togaaataca	ttcaaccgcc	ttttctgaga	420
aaaaaaaa						429

<210> 1337
 <211> 142
 <212> DNA
 <213> Mus musculus

<400> 1337						
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acggnagnca	tngnntnccg	tcantnctgg	acatgcttta	ttattntcaa	ggccatggat	120
ttactactga	aactttttct	tg				142

<210> 1338
 <211> 416
 <212> DNA
 <213> Mus musculus

<400> 1338						
tgaggtgggg	tctttcaatt	agcatctcct	gcgcgcctcg	ctcgcgaccc	cggaccctctg	60
ctccgcgcgc	ggacccccgg	agcagcacc	tanagccgga	agacgaggac	gatgaggaag	120
atgaggacac	catgacgagg	ctgggtcccc	atgacacgct	gcagggccag	gagctgtcca	180
cagagccoga	cgggccccct	agtgtcaatg	tcttcacgtc	agcagaggag	ctagagcggg	240
cacagcggct	ggaggagcgt	gaacgaatcc	tgcgggagat	ctggcgact	gggcagccag	300
acctgctggg	cagtggcacg	ctcgggcccc	gagccacggc	cacgctggga	cgaatgcact	360
attactgaca	cccgccccct	tagcgtgggg	ccagagtact	ggatatggga	ctgcct	416

<210> 1339
 <211> 245
 <212> DNA
 <213> Mus musculus

<400> 1339						
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aacatcctct	cctaagacag	nttcctggaa	aacatcacat	gacacaaccg	agtctccaaa	120
cgaacaaaag	ccagagattt	ccacttcaga	tatoccttgt	atgaattttc	ttgatgacct	180
ttgtgggact	tottaaccce	acaacctcct	gataaagttt	gtgcattctg	gctgaaaaaa	240
aaaaa						245

<210> 1340
 <211> 142
 <212> DNA
 <213> Mus musculus

<400> 1340						
ctgccctatc	ctacgtcatc	acctgcagct	ggntncaggn	tccaaggatg	aatnggcggg	60
aatggacttt	ccccctttt	ttccccctc	tttntntaa	cgngtctgcc	attaaaaatt	120
tgaaccttga	gcaaaaaaaaa	aa				142

<210> 1341
 <211> 221
 <212> DNA
 <213> Mus musculus

<400> 1341						
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tccccatntt	cccttcaga	agtcacacct	gtgntctgtg	ngaacttgag	atgtatnatt	120

gnagccccctg	ttgtanatga	agccccattc	tcctctagcc	gaacatgtta	aagcctncat	180
tctccatgaa	gactgtcatt	ggaggtagaa	ggttttaagg	a		221

<210> 1342
 <211> 321
 <212> DNA
 <213> Mus musculus

<400> 1342						
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accacaacct	gagcccttgg	atgacaggcg	aagcctttcn	cattttgcct	aggattcccc	120
gatgencgcc	tgtctctagc	caagcctggt	gatctaagag	gcagggtctc	caagactcan	180
ccagtaggga	gagctgggcg	aatggatcca	atctgagata	gtgctcctgt	gcgggttnca	240
tggtnacngc	cacaccncc	ccgctggnga	cagatgtcat	gcgggtcacc	tcactccagg	300
gctgaggatg	agaccttaaa	c				321

<210> 1343
 <211> 459
 <212> DNA
 <213> Mus musculus

<400> 1343						
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tgtctctgct	cgatngctc	ctgacctgca	gccacctncg	cctccatgtg	ctggcggggc	120
agcaacctca	gncaccaccc	tcacgcaagt	ccctgcctcc	caccacacaga	atttggacat	180
agttatgagt	ctctgagctt	anatcttacc	cacctctctg	agcccagggt	ggtggtgatg	240
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tgggcccaga	actcacgata	ccccctcagt	gctccttgnt	caaagnnggg	gtttcttttt	360
gctttttctg	natgggatct	gcctcttgna	aatggagcta	tcctatcaga	aactgggctc	420
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<210> 1344
 <211> 215
 <212> DNA
 <213> Mus musculus

<400> 1344						
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agaaccgact	ctgaaatagt	cctcggactg	tcacacacat	gctgcgacct	gtgtgatccc	120
acatacgtgc	atccaacaat	cattaaaata	aagttagcca	ggcagnngng	gcacacncct	180
ttaatccagc	acttgggagg	atttctgagt	tgagg			215

<210> 1345
 <211> 446
 <212> DNA
 <213> Mus musculus

<400> 1345						
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cgtgacgtgg	acctgtgtga	ctgcctggag	aagaactgtc	tgggatgctt	ctacccgtgc	120
cccaagtga	actccaacaa	gtgtggggccg	gagtgccgct	gcaaccgccg	ctgggtctat	180
gatgccatcg	tcaccgagtc	cggnnangca	cttatncccc	ngnctttnag	tgcntntgnc	240
taggagattt	tantnntaga	ataanagact	ngattnacct	ttgttgctcn	gatatagaga	300
tactttttat	tntctttgtc	aaaggaagcc	cangaagaaa	agggttttta	gtactgccaa	360
ggaggccgga	ggatnangca	anagctnnaa	aagacnnatt	nacaaccgtg	gaagagcttn	420
anaactntga	cttggaagtt	aagccc				446

<210> 1346

<211> 374
 <212> DNA
 <213> Mus musculus

<400> 1346
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 gatctattac ctggtttagt gcgtgacagt cagtgtctgg ggatattaca cttacaaggc 120
 tttaacatca aagcaagtga gacgtacaga acatgtagct gaaccgaaag aacaaacaaa 180
 ggcgaggttg caaccacttc cagggtgaaaa ggaagagcat gtggcagaag ccgagcaagt 240
 gtgttcagag cctggagaca ctgctgtaaa ggaagctgaa tcggtagatg ctgaggaagt 300
 cccagaggct gcagttgtgc ttccagaaga gtctcaggcc tccgccccct ccgaggtccc 360
 tgccgaagct gccg 374

<210> 1347
 <211> 536
 <212> DNA
 <213> Mus musculus

<400> 1347
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 ggtgtttact ctccctgccc ctctgtattg ttaacctccc ctcccccaag ctggactccc 120
 cttgaangag ctctttgttt ccccttagt tgtagctttt atcagacagc agtgggggtc 180
 ananggtttg agtggcangc ttgcgancga gtctggtgac tgactgtctt ggtgggttta 240
 aagaaaaacag agagggtga agcaccggg gagatgcgc cccacgccc tgtaactgag 300
 aaacaatacc actcaatatt ccaaccggct ggggctggan cgatggctca naagttcaaa 360
 atgcttgctg cccttgacga agacctgagt ttggagtcnc acctagttg ggcactctca 420
 accacctgta attccactcc anaagatctg aaacctctt ctggcctcct caggcactgc 480
 actcncatgc ncntaattta aaataaaaata ataaatctnt aaatgcgttc ggtccc 536

<210> 1348
 <211> 400
 <212> DNA
 <213> Mus musculus

<400> 1348
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 gatccgacat catccaacac ttcagtgtta gaattgcaag catgcgctct cccgacctgg 120
 gcaggcactt cgaaaaaatg atgactaaag acacaccgtg aagtaccaag cgaaantnan 180
 agtccttatg ggacagtgc tcatcacagt ctaattccat nctggccacc aagcaataat 240
 gcacatttct aactggaagt caagcaaaa ccaacacttt cactcttgng cccatttctg 300
 acgagttacg nnnagtgggn accaactctt gcacttagcc ttgcctcagc ttcgagtggc 360
 acaaggtagg accaaccaca ccctaccata atgcaccaag 400

<210> 1349
 <211> 388
 <212> DNA
 <213> Mus musculus

<400> 1349
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 anacggagg atgcggtagt gcttcancgt caggatttct tcgtcgtaa caccacagt 120
 ctgatgacaa agagcaagnt gtaatccgca nactgccag ggctgagccg ggcagacaga 180
 aaatcgtcat ttgctgtcga caggcttgtt aggttacagc ctctgcttcg ttctgtggtc 240
 ttggcttttc ttcttatata atgacggcgc tgcaagtga ctcagaaatg cttggtttga 300
 aagccatttg cctgtgattg tttttgaaga ctaaaagaat atttatgctc gattaaaaaa 360
 atactgctca cgaacaaaat gaaaaaaa 388

<210> 1350

<211> 338
 <212> DNA
 <213> Mus musculus

<400> 1350
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 cctatggaga cctggagacc ggtccccagg agctaccaga tgagatttta ctggggtgaa 120
 gacctgaggc tataccatgg gcacacagga cacgtgtggt taccatactc tggctattcc 180
 atattataac cattccaaag tgtgctaggt gatgatttta ttaagtccag tgataggaaa 240
 gactgggaac actcaagaca tttatttagt aaaacagtgc tctgtcctag agggttaagg 300
 cacatgtggt aattaaaaaa ctcaaaggct caaaaaaa 338

<210> 1351
 <211> 424
 <212> DNA
 <213> Mus musculus

<400> 1351
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 gccatcggaa atcttggnga agatactttc ttacttggat gcgngacct tggngtgcag 180
 tggatgtgtg agcanacgct tttatcattn ggctgatgac aatcttattt gggtcaggaa 240
 gtncncagct gcntttanat caaaaagatc acgttggaag gctacttcag nggaggaaac 300
 agccacaagt ctgagcttgc tgtcagttng ggataaagaa gatggatact ggaagaaaga 360
 atatattaca aagcagatct catctgtgaa agcagccctc accaacagcc tcagtccagt 420
 taag 424

<210> 1352
 <211> 441
 <212> DNA
 <213> Mus musculus

<400> 1352
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 ttccaaatga gctgcctgtg tggggcagng ngctggacac aaacaccctg gtcttcagnt 180
 gagctgaggt cttgaacccg ggtgggatcc ggcggtgga gatntncacc tacatgggag 240
 ntagatcttg tctccaggat ccttggtcnc tgncaaagnt accgacctca cagtcccacc 300
 ccacccccag gagaggtgtg tggctatcag tcatgtagct aacagcacca agccttctna 360
 catgcaaata atgttcccc caaactctcn gttcaagcca gtgatagata cctgctgtcg 420
 aacctgaat caccctaaa t 441

<210> 1353
 <211> 296
 <212> DNA
 <213> Mus musculus

<400> 1353
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 caactctctg gccgggngg gccactgtta ccactctagg actgnggccg gcaggnccac 120
 aacattatgt ctncacgggg tcccaccant tntggtccca cattncaata accaaataga 180
 tntgcoatgc tcgaagtttg ataacacaat acccagtaac ccagnaaact caatgcttat 240
 agttaaccaa tcagatttat atatcaataa actctcaata cactagaaaa aaaaaa 296

<210> 1354
 <211> 272
 <212> DNA
 <213> Mus musculus

<400> 1354
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gcgangggcc ggnngctccg tgcngcccn anagtntga ccaaacgaag aacacagaca 120
ntgaaaagta agcaggcttt aaacccttag ntctttttgn ntagctgccc ttcgaanctn 180
gccitttcn agtctgcna agagtttctt agtnnganat ctttncaatg gagtattctt 240
tctgnacaat gtttaaacag caataaatat ta 272

<210> 1355
<211> 220
<212> DNA
<213> Mus musculus

<400> 1355
tgaggcagaa agttttcttg acgatagnna actttgagtc cagcctcttg ccgctcaccg 60
ttcccaagtc atngggggnn gatattccct catccgcagc tccaaagaat tacatgcaga 120
ggaaaccgtg ggggttcaggg gcaggggtct gtcagttgtg ggttctttta ctggattctc 180
ttanagatgc tgagttgcaa tgaagttgga ggccctggaaa 220

<210> 1356
<211> 306
<212> DNA
<213> Mus musculus

<400> 1356
cctggacaac acaccatctg gatccantgg ctngtgnac annggcctcc ncattagang 60
gnngaggata gcnatnctta gacattgnct ganctgnnct natggcann cttgcccagg 120
ctgnanntgn ggactcctta ggtgangnta gaatttacca ggacaccact ctctctttt 180
ctcctttggc acccgcttgg aggcccgatt cctctgaaga ctatcttgga tttcttgga 240
cctgcttca ttctggcctc ccgagatgta ttgggaatat aacattcttg tttagaataa 300
aaaaaa 306

<210> 1357
<211> 179
<212> DNA
<213> Mus musculus

<400> 1357
acccagggga tgctggagaa ctgaaactga gtccatgcn agatgctgag atatctttcc 60
agnccctggc ttanaagntt tccananaa ccacgtact agcactggat ganagatgtc 120
natctatcta gtncctttta taaatcctac gcnggtgct tgggtttcca cagcataaa 179

<210> 1358
<211> 323
<212> DNA
<213> Mus musculus

<400> 1358
agccatcgtc tccagcccaa gagatcactc ttgcattgtg acaccatgca atgcttnctg 60
ggcctctcct ggncttcact tcacagagaa atgcacaaaa gaacttnttg tantattctg 120
gctgaatcct gccgcttctg gttcttgcca attccgcaga atcgtaagtt cctgctggat 180
ccagcgtgct tactgattcc cgtgtgngt ttgctattgg actggaccgc tggtatcctg 240
acaaccgaag agctnngtt gcccaaaaaa ctaaaatgnc ctacagactc ccttttccta 300
ttaacctttc ttccccaccc cca 323

<210> 1359
<211> 189
<212> DNA
<213> Mus musculus

<400> 1359
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 ctggggcgac gagtntgccg gctnatcgaa gcnggtggct ccctgcacaa cccaagaagc 120
 ggotggatcg nagagcactc tngatctnag caccctcgg agacttnagg cncacattgc 180
 acgtggcac 189

<210> 1360
 <211> 442
 <212> DNA
 <213> Mus musculus

<400> 1360
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 tatgaacaat gctatctcaa agcannacca ccaagnaagt ngaggagttt gtntcaaact 120
 taggttaaac gatttgagga acagctataa anangaccgn tggaatngac ttccttcagn 180
 cttttacccc agccgtccag ngttatgttg gaagaggacc atnangtggga agaattcatgt 240
 gccgttaaaa acaacaagga agcttttagn gtngnaggaa gtgtcctgna ttttactaat 300
 ttttgccttg atnaantggg gcaaccgnta ctaaataaaa accctcagct tacggaagga 360
 tgggaaatac ccaagtatcc tacatngtga atgaagatct tttatacatc ttgccactaa 420
 gtncaccttt aaaaaaaaaaag aa 442

<210> 1361
 <211> 391
 <212> DNA
 <213> Mus musculus

<400> 1361
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 cncctcctgna gactaccttt naccataacg acttngatgc tgagagaaat gctgtgacta 120
 gcanccattt tggagttgac tgggatgtgt tctaaagttt gaatgccaaa gacaccacag 180
 agggcaccat ctctacatct gagggaccca aatggactcc actggaagtt gnccactcac 240
 tgntgggggag ggcactgcag ctcttggtcc ctggttttcc actttacatt tcctatttga 300
 agtaatgcat atatcatata atttgatata ttttttgatt attctaattt acagaataaa 360
 aatacagaat ttcttatcat caaaaaaaaa a 391

<210> 1362
 <211> 350
 <212> DNA
 <213> Mus musculus

<400> 1362
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 ctctngaggt ggcattggac acggacgtct ttnaaggaga cttanatcca caaaacggat 120
 cactcatctc acacnatctt gtttagagtc agngggngca gctgggcccng tntgtntggn 180
 ggcaggacct gtngaaanc caggctgctg cacagcactc tgcccttanc tgccctgna 240
 acagcctagg nacnaccatc ctatntgcng cacaagggcn gtgaggtaac cctggatctt 300
 atnoccacag cagggcgagc agccagagaa gctccagctg ctgtaatgta 350

<210> 1363
 <211> 178
 <212> DNA
 <213> Mus musculus

<400> 1363
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 ctttacaccc tggttatnac anacaatgaa aaggcagagg aagctngaag cnttccttac 120
 ccccggtttt ggcagnnan gatctcgtaa tgaaccagcc ctctgcagtg tgactatt 178

<210> 1364
 <211> 155
 <212> DNA
 <213> Mus musculus

<400> 1364
 ggaattcaaa ggctctgcaa cagatntttg acgagcagca ttcnaagagt taatgcttct 60
 ggcctaggan atggctcgcc agataaaaga acagcgctct tcacattcct gtgttcactc 120
 acaacattag aaataaaaat taattatgag ggagg 155

<210> 1365
 <211> 202
 <212> DNA
 <213> Mus musculus

<400> 1365
 aacacagacc gacccaacaa tgaacagttt caagggacac cagaatgggt gacttgttac 60
 gatactgtan tgggtgcttca ggaaggaag agacagggag gacccaagct gcagttccag 120
 aattacaac tgagttcaat gacactagcc ctctagcaag aggcagggat gaggagtgtg 180
 cataaagtgg gggtcagcac tt 202

<210> 1366
 <211> 298
 <212> DNA
 <213> Mus musculus

<400> 1366
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 aggtcaggtt gatggctcag aaaacaagac attcacagat agaggatgag gatccctgaa 120
 actcttgtga agacagaaga taaagaacaa cacaagctg actttggacc tccatattgtg 180
 tgctgtgaaa tactcacaac cctcacagat tgattaaaga agtatcacct agcacaccat 240
 gaatgcttgc aggtctggact gtcaatcaaa taaaaatagt tagacatata aaaaaaaa 298

<210> 1367
 <211> 192
 <212> DNA
 <213> Mus musculus

<400> 1367
 ttgtggggag cgtggattct tctacacacc catgtcccg cgcgaagtgg aggacccaca 60
 agntnctgnt ttctgacctg cttgagttcc atgcagtnan ctacctttgg tcatgaacgc 120
 ncattgctgc cnatcnggac ncgtgggtan caccatntgn cntnccgtgn nacannaacc 180
 atattggata cc 192

<210> 1368
 <211> 150
 <212> DNA
 <213> Mus musculus

<400> 1368
 tggggagcgt ggattcttct acacacccat gtcccgcgc gaagtggagg acccacaaga 60
 ntgaattcta ccctgtgtaa gtnagtgacc ctggctgagc tttgtggacn gagcaccgtg 120
 acaccggggc agatcctaga gacaggtaga 150

<210> 1369
 <211> 125
 <212> DNA
 <213> Mus musculus

<400> 1369
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 aaggntcaca actaccnnga tctnnntang cataggnenn tcntaanctg ttctaacctt 120
 gacta 125

<210> 1370
 <211> 537
 <212> DNA
 <213> Mus musculus

<400> 1370
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 agggccnagc ttgacnctga gnngacgant gggaccagat acttttcaan cntnngaatt 120
 gcagntagct nagaataacc cgtcccatcg nntaactnag angcncngc ncttgctnnc 180
 tntnctntgt cangaagnan naggaccnag aacnaccact tncccaaagg angctctenn 240
 ntttgagacc nannnnngtaa ncnгааacan gaantccna ngacctccac acggcgggcg 300
 gaagacaggc gctctagcat cgaatgtagc cctgagcccg aactcgggaa ctctatgacc 360
 aactgggact tccgtttccg cccccctgac gacgaggcga cgggttantg cagcgagtgc 420
 attctgttcc tgggttagctc tgagcgaagc ttctgtggagg gccgnactcn agcctctgtg 480
 ccgagctggg gtccctgcct gacgcgggnt gccatggggag atcaagccag gtcctttt 537

<210> 1371
 <211> 156
 <212> DNA
 <213> Mus musculus

<400> 1371
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 tgatgtccca gtgtattggc cttggatcct gacgcggctg cggtctgtat tcatcttgtt 120
 gttgtcaaat ttcatttaac tgcaaattaa aaaaaa 156

<210> 1372
 <211> 299
 <212> DNA
 <213> Mus musculus

<400> 1372
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 agggcttcat nggacctgng aactgcccc ttgnntctgt gatcccagnc canagacagc 120
 ctttcnagaa nnaactgtngc aantgcacan angaannatc ccacatccna accagnctgc 180
 tgaggaaatt caaaatagtg accgtgaccg gaagaaccca tgtgtctttta gtctcctttt 240
 tacttttgaa tcatttccca agtttctttg ataaaaacgt ggtaaaaacat acaaaaaaa 299

<210> 1373
 <211> 239
 <212> DNA
 <213> Mus musculus

<400> 1373
 ttgtggggag cgtggatttc tctacacacc catgtcccg cgcgaagtgg aggaccacaca 60
 agggtcacca tgnctacagg gtgngtaacg ccgaagaagg ctncacncc gnaaanttgt 120
 tgntnaacag ngcgaatcat atacacagg tgnatttttt accggacaag cttanancag 180
 anctgtttnc gntccnaaaa gatgngtgcg nttttgcct cantaaagaga tggtaggtc 239

<210> 1374
 <211> 381
 <212> DNA
 <213> Mus musculus

<400> 1374
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 ggactcgncat tctgantgca nanangctgg cctgnaacgc cannnatnan aactttgaan 120
 actgtgagnt cggccacact ggagtgtctg nnttacaaga tnggagctgt ncctgnncgt 180
 gctcgctcna tcntntnntn natttanngn tctagnctg tcaatacgac ntgctactcc 240
 atgngcagtg aangggagctc tctnntngag ccatcttctt ttttcaacttc ccaactaccaa 300
 aactatcctt gattgtcaag ggtcattana aaaggcaaac acccaaatat taagtatata 360
 gattgactag taaaaaaaaa a 381

<210> 1375
 <211> 167
 <212> DNA
 <213> Mus musculus

<400> 1375
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 ggggnnattt cacttgact tctccancn gagctcngan acgnacctgg ngntcnctct 120
 accncancag acctccagct ngccgtgcna actgcttctt catccca 167

<210> 1376
 <211> 316
 <212> DNA
 <213> Mus musculus

<400> 1376
 gagccgtgga ttcttctcac acccatgtcc cgccgcgaag tggaggaccc acaagattct 60
 cacntncnctn ctgattggca cgccgatcag acgaacaccg gnttaangng cncactangg 120
 atanggataa ggaccgggaa aagtctaagc atagcnacng ngaacataat agattctgna 180
 nngaactcna gagagaaaaga gaatancccc cccactgong gccntcccc tctgcattga 240
 gacaaacctt tgganggana caaggaaaga cgaaaggagg aaaagattag agctgctggg 300
 gatgcaaaaa aaaaaa 316

<210> 1377
 <211> 141
 <212> DNA
 <213> Mus musculus

<400> 1377
 gagccgtgga ttcttctcac acccatgtcc cgccgcgaag tggaggaccc acaagggagg 60
 canatngnag ctgccctgga ggaccctgan cctgnntgn tcaggacgct ngagcntgnt 120
 ggtcattcca ttctaacacg c 141

<210> 1378
 <211> 224
 <212> DNA
 <213> Mus musculus

<400> 1378
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 atctgtgctt ancctgagac catngtattg gatncccttc ccaccttgag gannntgggtg 120
 gaccagttna aagcgtncat ttgttnatca gtgctgcacc agcatactnc tccctctacc 180
 anntggagaa ctntcgcaan tatgaccac cactaccacg ccta 224

<210> 1379
 <211> 119
 <212> DNA
 <213> Mus musculus

<400> 1379
gtgggggagcg tggctttcttc tacacaccca tgtcccgccg cgaagtggag gaccacacaag 60
accttgatgt gaaantncaa gannantnca aactttgntc ttcactggac cctgggaga 119

<210> 1380
<211> 402
<212> DNA
<213> Mus musculus

<400> 1380
gtgggggagcg tggctttcttc tacacaccca tgtcccgccg cgaagtggag gaccacacaag 60
antcacinann ngcagcatnt tactatgaen tcctgggngt ntntnncagn gcctgcgatt 120
aanagcttac caaagcntac agtgaagctt gccctgaagn ttcacccnga cnagaactgc 180
nctcctggan caacanangc cttcaangga ntaancattg cctntgctat nctnntcnan 240
tgatgnaaga gantgcntta tgatgaatat gganatgagc aggtganttt cactgncctt 300
cgagccagat cttatcatta ttacaaagac tttgaagctg acatctntcc anaagaatta 360
tttaatgtgt tcttcggagg acatttccct tcaggaaata tt 402

<210> 1381
<211> 130
<212> DNA
<213> Mus musculus

<400> 1381
gagcgtggat tcttctcaca cccatgtccc gcgcggaagt ggaggaccca caaganccac 60
gacaggaanc tnagtanta cctgtatgtg ctcatccgtt acgnnatgtg ctgtaagact 120
gggaggactc 130

<210> 1382
<211> 469
<212> DNA
<213> Mus musculus

<400> 1382
ttcttctcac acccatgtcc cgccgcgaag tggaggaccc acaaggggcc cncnngnagc 60
tgnagtgnca ggnccngag catagagacn tncctacctt gnnnctgcnn gtgncccant 120
gcaancctgn ncttggataa caantgctga ccagcatctn gctcctctct actatactgg 180
agaacnantn cttctngacn gaccntacn tactntaccc ntcnncttg aatggaannc 240
tntnaatgng canatgcaa tcacaaaaga annnggggaa gtcattggga aagttctgga 300
ggaagccagg tttgntgtgg cctttcaccc aggcaatgaa ggacacagct caggtgcagn 360
ggccacatgc aactgggaag atctttgtcc agagtcaagg aattgcaaca ataccaaatg 420
ccaactttaa ctggaacacc ttcctgcagc aatcagggag tggccctat 469

<210> 1383
<211> 141
<212> DNA
<213> Mus musculus

<400> 1383
gagccgtgga ttcttctcac acccatgtcc cgccgcgaag tggaggaccc acaaggnnga 60
acatgactgc cttctttana angctncgaa ctcatngggn naaaacnact ggctgngctc 120
ngnntgctga catggcggag g 141

<210> 1384
<211> 128
<212> DNA
<213> Mus musculus

<400> 1384
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canatgcagc tgnannggca gcgcagaca acaggntaca cttnactatc ttgcacatct 120
gcgagggg 128

<210> 1385
<211> 323
<212> DNA
<213> Mus musculus

<400> 1385
actgagtgtg gcctcttcct gtgtgatgct ggaggaggca acctgatgat cctctgacaa 60
ctgttcacgt cagcactaag gaagcagatg gcaatgtcac aggcacagga ttatgaatgc 120
agaagccatc atgtcgatga gcaggagccc aggattccgg ggtcgagtac cagnnncctt 180
nacctnggga nttnaagcct ngannttgtt gnagatnnct natnntcntt ananntgacc 240
nnagggctgn acanattggt catatgggtt ngagcactgt ttgcccttgc gaaggctcctg 300
agttcataat ggccagcaac cat 323

<210> 1386
<211> 392
<212> DNA
<213> Mus musculus

<400> 1386
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caggggtctcc ccgaagccta ccgcgtgcac cgagcgctgc tcctgctgac gccgacgacc 120
cgcccctggg acatcactag gccctgaag cgtgcgtca gcctccaggg acccctgct 180
cccgcattac gcctgcgcct gacgccgcct ccggacctgg ctatgctgcc ctctggcggc 240
gcacagctgg aactgcgctt acgggtagcc gccggcaggg ggccgccaag cgcgcctgctg 300
caccgaagag actcgtgccc actgggtccg gggcgctgct gtcacctgga gactgtgcag 360
gcaactcttg aagacttggt ctggagcgac cc 392

<210> 1387
<211> 129
<212> DNA
<213> Mus musculus

<400> 1387
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ggggccactg cccccctgcc ccagccaagc caatgcaccc agaaaataaa ctgaccaatc 120
atggcaaaa 129

<210> 1388
<211> 398
<212> DNA
<213> Mus musculus

<400> 1388
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tttgatgggc tacaagggtt ggataacaca ctgtcactac tgtacaacaa gaaggaccgc 180
caggcagaag aactccaagg agtgctctca gaatgacctt ggattccccg aagcgttgga 240
agccttgaag aggtcaagc tctcttctgg gtaccaaagc agagatggca tgtcatagga 300
tttctgactt ttcaacgtct ttgttggggc aggggtctgt ctatggaaga aggtacatta 360
ataataaagc ttgcattcat agaatcgaaa aaaaaaaaa 398

<210> 1389
<211> 397

<212> DNA
<213> Mus musculus

<400> 1389
gactgaggta ttcataaaaa gtctgcctgg gacgaggctg gccaggaaaa ttacaaaggg 60
catttggtggc aagttgaaat taccaacacc cagacatcaa atgacaaaat tattgaagta 120
agtaaaatat ttaacatgag ctcttaccat atttcatatc taaacatata ttgttggaaa 180
ttacttcata aggnttcttc tagaacttaa cccaaatcaa gaagacagct caacngntaa 240
caggacttgt gctccttatg gtggataata aagaaaagcc cggaaacntg ttntctganc 300
ttcgngtggtg cgctctgggtg tgccatgca cacacacaca aacagaaatg taatttggaa 360
aataaaagaa gtaccttagg cctgggaaaa aaaaaaa 397

<210> 1390
<211> 216
<212> DNA
<213> Mus musculus

<400> 1390
cttcgagtgt gcttccttta nggtattacc tatttcacga atacttgatg atatgatagg 60
tttgctcttc acttgaaatc aagtgtttga ctttttacia aagtgaacc ttacccgaga 120
ggagtcttct atctctggat ggcagntgat tcaactgtaag ngntctgngg cctaactagn 180
gagagatgct tnanataaac taagttttta tgagtt 216

<210> 1391
<211> 417
<212> DNA
<213> Mus musculus

<400> 1391
ccagggcata aggctagggt tgaacanagg gtttncatnc nnnntgnccn taacggatnt 60
tggaancctc actctttttac ctgnnnangg atgaccagaa actggagaaan angatatgtc 120
aggaagccaa ctcaactgtgt gacttgatac ttacatacga cggggaggtcc cgagatctgt 180
ctacgctcat ctccaagtca gtaatcaata tcatctgtac catctgcttc aacatctctt 240
ttgagaacaa ggatccgata ctgactacca tacagacctt tacagagggg attgnnggat 300
gtcctggggc acagcgatct ggtggacata ttcccgtggn tgaagatttt tcccaataaa 360
aacttggaaa tgataaagga acacactaaa attcgagaaa aaacactggg tgaaatg 417

<210> 1392
<211> 232
<212> DNA
<213> Mus musculus

<400> 1392
tgactagtcc gaaacttgaa tatttacctg tttttaaaat gncaagttac tgctacccat 60
gggcanaagc tcgnaggcct catgangcct ggngtttctg caaagacggn ngccnacact 120
tnctcagagc totggctagc cttnctaaaa nagtctggna agttgaaagt cccnaacctg 180
ggnggacnca gncangnctg gccanaenta cagagcttgc cccatatgat ga 232

<210> 1393
<211> 257
<212> DNA
<213> Mus musculus

<400> 1393
aactgagggt cagagntagt cctcgataat ngcttggtgt tcnatgggga aatctnaagg 60
cctgaatgac acctttaagg aactggagtt tcttancatg gccaacagtg gagttgagtt 120
ccttggcccg gcttcccanc ttgaataaac tccggaagtt ggaacttagt gacaatataa 180
tttctggagg cttggaagtc ctggcagaga aatgtccaaa tcttacctac ctcaatctga 240

gtggaaacaa aataaaa

257

<210> 1394

<211> 130

<212> DNA

<213> Mus musculus

<400> 1394

gtacaaaggt	gaaacagcta	anaaacctat	aggaatctca	nagctactag	ntacnttnn	60
ggnagaacat	acaatcagaa	gaccatcttc	anaantncta	gaagtcattg	gaaggaactt	120
ttattctgca						130

<210> 1395

<211> 164

<212> DNA

<213> Mus musculus

<400> 1395

tgagctatcc	catctgtcna	agggagantt	acacagagca	atggtaaaga	tctgggtcatc	60
tacctcgaga	agagggcgata	ctacgggaat	caatctaatt	tataaaaacca	ctcacctatg	120
tacacagacg	ctggctgaat	catgcacatc	tgaacgaggg	acga		164

<210> 1396

<211> 329

<212> DNA

<213> Mus musculus

<400> 1396

cttataaaag	ctgttggccc	tgctgctggt	atccaaaaac	agttttccgg	agaaactttt	60
gaagaaagaa	ttgattgctc	tgggaaatgc	gtnttgccag	gtttgntgga	cgcacacaca	120
catccggtgt	ggncngggtg	aaagagtcca	cgantttgcn	atgaangtaa	ctggaacgga	180
cggcagcaaa	tcaatacagc	cgcaaacagg	ggaatgtctn	tactagtgat	tgcntaanng	240
gccaacctat	gccacatatc	tttttaatgg	gtttatcttt	acttggctta	ataaagaaca	300
caactgacca	ttaaacttaa	aaaaaaaaaa				329

<210> 1397

<211> 382

<212> DNA

<213> Mus musculus

<400> 1397

ctgagggtgg	tcttggaactt	tgtgagcacc	tctcaagttc	tgtgatcgga	tactgggtag	60
cccactgttc	cagagggtcta	cacatgcact	cactgtgacg	gnaagggaacc	tccttccatg	120
gggccactct	accttgtgcc	tgaaaatcca	tttgagaagt	aggcctgcat	tctgcaaagc	180
tctgcacttg	tttccaaatt	acatttaata	aagaaattgc	aggtacttca	gctgaaattg	240
aaggagagag	ggaaggctgg	aacatcagca	gcctactggg	gctttcatac	ttacttttca	300
ccttagatga	ccctctaaga	gttttggtatt	ttggctgagc	taaaataaac	ttctccaagt	360
gttactgtga	ggaaaaaaaa	aa				382

<210> 1398

<211> 103

<212> DNA

<213> Mus musculus

<400> 1398

gaactgaggt	tcccagcagt	ctaccttgtg	aaatgtttta	ggctaagaag	agtccagcaa	60
cagctaactg	agagacctga	ataaaaggtg	aaattaaaaa	aaa		103

<210> 1399
 <211> 427
 <212> DNA
 <213> Mus musculus

<400> 1399
 tgagaaatgg aggcaaacga ccattttaac ttacttgccc ttctctctgc accagctgcc 60
 tcaggactga aacctnttcc ttctcgggg gagggcctct acactaacgg gtctcccatg 120
 aacttcccc agcaagggaa aagtttgaat ggggatgtga atgttaatgg cttatctact 180
 gtatctcaca ctactacttc agggattttg aactctgctc cccactcctc tagcacctca 240
 cacctccatc accctaacgt ggcctacgac tgtcttttga actactcaca gtacccatct 300
 gccaatcctg gcaacaacct caaggacca ccccttcttt ctcatgtccc tgggggacaa 360
 taccgcgtca acggtatcct tgggggcaac cgacaacctt catccccaag tcacaacact 420
 aatctaa 427

<210> 1400
 <211> 227
 <212> DNA
 <213> Mus musculus

<400> 1400
 tgctatcaat tatctactga gacccagnga acngntaaaa tcacngtcaa agagaanagg 60
 gtggagagag gaggaggggg aanagcttan ttgggccaca ggaagacagg aagcantcat 120
 ttacttataa aagaagtcgg cattcattca gcgggctgcc tttgtcttct tccaagcctg 180
 nctgaaaatg ncatacttcg gcctggagac tttcaacgaa aaaaaaa 227

<210> 1401
 <211> 508
 <212> DNA
 <213> Mus musculus

<400> 1401
 gactgaggaa aatactacat agctaccatg gccttgatca ccgcctccac agcccttacc 60
 atcatggtga tgaatatcca cttctgtggg gcggaagccc ggccagtacc acactgggcc 120
 aaggtggtca tcctgaaata catgtccagg atcttgtttg tctacnatgt gggtagagac 180
 tgccttagcc cccgtcacag ccaggagcca gaacaaatca cgaaggttta tggcaaactt 240
 ccagggtcca acctgaaagc atccagaaac aaagaccttt ccagaaaagaa ggaactgaga 300
 aaactcctaa agaatgacct aggggtaccag ggtgggatcc ccagaatac tgacagctac 360
 tgtgcacgct atgaagcact gacaaaaaat attgaatata ttgccaaatg tctcaaggac 420
 cacaaggcca ccaactccaa gggcagcgag tggaanaagg tcgccaaggt catanaccgt 480
 ttcttcatgt ggattttctt cgctatgg 508

<210> 1402
 <211> 408
 <212> DNA
 <213> Mus musculus

<400> 1402
 cggtttccaa cttggacgag gagagtgcgt ggactgtcca ctacacggca ccatggcatc 60
 agcaagagaa tgtgttcctt cccgcacaaa gacccccctg tgttgaggac ctgcaccgcc 120
 aagccaagct caacctcaaa tcagtgcgtga gggaatgtga caagctgagg caagatggct 180
 gccgaagtgc tcagtactat tctcagggac ccacctttgc agccggctcc agcccctgcg 240
 acgattatca agatgaagac acagaagcag accgaaagng ctctctctct tcatctgaag 300
 aanaaagatt tatcggaatn aggagaccta naaaccccan cttaaggnga ctttctccga 360
 ccttcatact cagacaaact gggaccaagt ccttgccgct gccaacac 408

<210> 1403
 <211> 199

<212> DNA
<213> Mus musculus

<400> 1403
tacagtcaga ggagggtgc tgtngctgtc aggatggctg nggancanga ctttgccan 60
ctgtgcnggn tggncacaca gccctnccac tcccactgtg gtcaacaata cctancngaa 120
gcacacagna ctcccaggcc ctgctccggg gccngctggc tntncgagac agtgnggatc 180
ctctttgacg tttccctgg 199

<210> 1404
<211> 246
<212> DNA
<213> Mus musculus

<400> 1404
tgcaggacag acaggggna gangtcnagg cnncaagtct actggncatn ttggctctaa 60
cctgacggcg cagtcatatg caagaaggac aacggaaggt taagttcttg cagagcacia 120
tggcccttaa tgcctttaat ctgaggcagg cagagctctg ggagtttgaa gccagcctga 180
gctacagacc aggacagcca gggctatata gtgagacctg tcttgagaaa agcaaaagaa 240
aataaa 246

<210> 1405
<211> 248
<212> DNA
<213> Mus musculus

<400> 1405
gaaccccage tccctccccg gtggcgggcg cgactcttac tggacganct tggctggatc 60
cccattggtt ncatanacca ncgcccgcac ccngacggc tcaaagagag cggagtagga 120
ggatgtggtc cggccgtggc ggnaccaagc ctgaggaga cccgcaagct gaggtgcccg 180
ggctgcgccc ccttgctact cgtggctga ccaacatgct ggttccagca ctggcagaat 240
ccggcgac 248

<210> 1406
<211> 162
<212> DNA
<213> Mus musculus

<400> 1406
tcttgttcat ggccaggncn caagacggcg gacaagcctg tatgtnagat gcentntnn 60
ngaaacctga gctntgcta gaggantggc cttcagtga tcggatgana gcaangagan 120
cgaangggac tggccatgca ccccggggtc gtcaaaaaca ta 162

<210> 1407
<211> 214
<212> DNA
<213> Mus musculus

<400> 1407
gactgaggaa caagatcacc aangacctgn gttctttgtg gttngaaacc nattatttan 60
ccacatntga gcctcagtn tccctgntgg gaaactgna ctaanacttc ntatctactg 120
ggctgctcct aagctaggtg gaatngtcac gangaaggan agcatgacag aacaggagga 180
ctatntgtca gattccttca ttaatgttca agaa 214

<210> 1408
<211> 244
<212> DNA
<213> Mus musculus

<400> 1408
gctgaggtag tagcctgggc acaggccata nttacttctt gnggaactct caaangncgn 60
acaggaagcn tggctnngct ccataaacct taccaccgag caatacagtg ccttcccttc 120
ggcatttgca agtctgcagn anggacctnt cgtgcttctt tcctctctta ccctgggcca 180
ctcctggaaa gngaggn tac tcttcccgat tttgaggtat gctgacatac ctcaaagtat 240
taaa 244

<210> 1409
<211> 188
<212> DNA
<213> Mus musculus

<400> 1409
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gggttcacnc angaatttcg gggacttgag agttcctcag nttaataann agtaangctt 120
gttttcagtt tcagacctcc cgaagctacc taagtttgaa aaagcttgag ctcaagtga 180
aaaaaaa 188

<210> 1410
<211> 412
<212> DNA
<213> Mus musculus

<400> 1410
tcggtgtg gc tttatctggc tgtgncactc atggacccca ggcgtatgng actactcagn 60
cccatntctc acaggngagc ccanggagga acaaggcagc catggttnac tcangccgnc 120
ccactccggc gctgaanaca ctgntnggtg ctgnagcccc tgcgtgccc gactgtcgt 180
gattgccgcc gctgagttcg ncgctatgat caccactgtn cctggatgga gaactgtgtg 240
ggtgaacnca nccacccgct ctttgtggnc tacctgncac tgcagctggn agttctgctg 300
ngngnctgt gcctggcatg gtatggcctt cagttgttac agccctggng gatnggctc 360
cggtagactg ggcgtgctgat caccaccttc ctgctgctgt ccttctctc ga 412

<210> 1411
<211> 499
<212> DNA
<213> Mus musculus

<400> 1411
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atctggctca gcatgggact caaacaacag aaattaagca tactgaaacc ctaaggagga 120
tgtgtcatac tacactctac acaactacaa agtgtcaagg aaagccgggc ctctggggct 180
ggcatctgta cacttttcta caaacggatt ctttgtggct gcagaatggc tattaccttt 240
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tagttttctc ggctttgtgg ggtgtggtcc atgctgntcc tctttagtat ctgcgacct 480
ctgtgctggc aggtgcttc 499

<210> 1412
<211> 273
<212> DNA
<213> Mus musculus

<400> 1412
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nontgcctgg nttntcctgc nntcctaagt tcatgcacn tgcagactnt gaangctgaa 120
ggtaacggcc agtgacgnt tccatgggtt ttgtcttcgn ggacatgctt tattattttc 180
aaggccatgg atttactact gaaacttttt ctgtattgcc ctttaacaat ctcttctc 240

aaataatata taattataag taaaacaaaa aaa

273

<210> 1413
<211> 558
<212> DNA
<213> Mus musculus

<400> 1413
ggtaccctcc gtcgaatatt cctcccagca tcagaacgaa tgtggtanga caagacttgg 60
aatggaggagac tgggtcccaga atgggtctgt ttgggatgtc anancagaat aacttctctg 120
tgggcttgag tgccttttgg gtgggtgctg gagatcaaac ccagagcctc caagactcac 180
tctcccgctcc gcccgccaag atnccacctc atccgtcaag gggctgattt tgactanctg 240
gttcagtgct gtcatttaca gaacccttgt gtgtgacttt cagtcagttc cctccttcca 300
gcaccccgga aaattgggca cagtagaaaa tgtnatctca gcagttgata agcaagtggg 360
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tgaaacccgg tcccaggaat ctangagaag aacaagncaa nacgaaaccc naacctgttc 480
tctccgttct gtncacttta tccctcagtc ctcagaatct cccgantctg aaccccttcc 540
aagcatgtcc atttctctg 558

<210> 1414
<211> 468
<212> DNA
<213> Mus musculus

<400> 1414
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ctgtccagga ggaaccggca tggaaaccgc atgggtacttc ctgctgcgct cttcacactt 120
gccaggccaa ggttctgtta cctcaagatg ggggttagtt tcaagagtag ctggagggct 180
tgtttcctga gtcatcttct tgtgagccca tgctctgtga aggagaaagc aaatagtngg 240
tttgtgacca actctatcaa gaggactctt gtgaaagcag catgccagct cccagcctg 300
tctctgcagg aactaccaca gaacaacaac aggcaacctg ggccttccct aagcacactt 360
aaaggagtgc ctgaacatat cttaaaaggt atttcttggg aatttatggg aactgggttt 420
caaggacaat gagcaacttc acatttaata aatgaaccaa gttcttgg 468

<210> 1415
<211> 751
<212> DNA
<213> Mus musculus

<400> 1415
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tctagaagaa agattgtctc caactgggat cgctatcaag atactgaaaa ggaggtcaat 120
ggtgaaaagt gagaatctca gcggggcaca gacttcagtg tctctctgag ctctgcaggg 180
gactcctttt cacagttccg atttgtctgan gagaaagaat gggatggnga aacttcatgt 240
ncaaaacaga attnancact ctacgtggac agtgagtcac tggttcgagc ccttgagcag 300
ctgcctcttg cagtccggct taatgtttgt tcanaattga tccagaccac aattccttta 360
gaacttnac aggtgaaacc aaggagaaac gatgatggca aggagctggg catgcattta 420
aggggaccac tctctgagct cagatctgct gctgggtgctt gccccaggtc tctgggcana 480
ggcagtctaa ggcaaaagccc tttnaaaagg tttgcagaaa gcacctacc caacacagtc 540
agtggcgagac cacctggaag aagaactana tatgtttgct tgcatttana atncacctgt 600
gccaagaang aaggcaatat nntctccaga cccaggacat tcttngggna ccnaggaacc 660
catnaaaaaa gnattgggnc nanggtntn cccaaggaan ggaaaacnag ggtnccttgg 720
aaaaaaancc ctttttttgg ggaaccccccc g 751

<210> 1416
<211> 389
<212> DNA
<213> Mus musculus

<400> 1416
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 gaaaactgaa gtcaaaccgt cttccaatgg ttctgcctca agtgcacga agcggggagc 180
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 gtcggaggca ggaggaggag ttactttctct cagagtgtgc ccgtgggttct gtgaatgatg 300
 tgagagagcg cttatgtgta aggggtggagg agacaaaaga ggaagtgtct tggttcaggg 360
 acaccgcgtc gcttttcttg gccgtaact 389

<210> 1417
 <211> 190
 <212> DNA
 <213> Mus musculus

<400> 1417
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 cagtcagct tccggaatcg aagggaanat agatgtgtgt gngctacca cctggcnagc 120
 cctaaagttg agatgtngaa actgtgggtg cactgaatgn ctgttctact aaagagtgtt 180
 gttcttctga 190

<210> 1418
 <211> 337
 <212> DNA
 <213> Mus musculus

<400> 1418
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 atntaggatn agaccttnan gnggnagcng gggtngnccn caccctntgc cagcaagccc 120
 ccggnaccca agaccccat catcgaagaa gaacagaaca actcagcaaa caccagaag 180
 catccttcca gaaaaagnga actgaagagg ttctatacca ttggttaaan taccggcaan 240
 agtcccnaca taatgaagag caancanatg caaatatttt tctcacactc ttccgnaatc 300
 tgcttntaca ctgaaaaaga gctgtgtgaa ttaggaa 337

<210> 1419
 <211> 234
 <212> DNA
 <213> Mus musculus

<400> 1419
 gtcaattatg gaaagggctg atgaacgcta acagcgcttc ccactcccc agctgaaact 60
 atagagggtc agaagcccca aactgctgag ctctgcacac agtggggagga gtggctgtcg 120
 ggaggggaag cagagaatgg ctgcgaaga gaccctggct tctaacaacc agctcaagag 180
 aagttcctag tgattaaatt aataaactga gctcaacaaa ttgaaaaaaaa aaaa 234

<210> 1420
 <211> 151
 <212> DNA
 <213> Mus musculus

<400> 1420
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 ctgagatgcc atgtgattta ctgtgatttg tgttctccat ttctccaatg agtgataatc 120
 acagtttgtt cagcttgcag gaaaaaaaaa a 151

<210> 1421
 <211> 733
 <212> DNA
 <213> Mus musculus

<400> 1421

gacaggacag	tgcttggtta	angctatatn	tctgctgtct	gagcagcaac	aggtcttcga	60
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ggcatgatgg	tcagtgcacg	taatgtcact	gtgttaaagt	ttgctatgca	gtttggattt	180
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cttgataaat	ccatgcaatg	tggtatgcaa	ttaccatttt	aagtattgta	gctttctttg	300
tatgtgagga	taaaggtggt	tgtcataaaa	tgttttgaac	atttcccca	agttccaaat	360
tataaaacca	caacgttaga	acttattttat	gaacaatggt	tgtagtttca	tgctttttaa	420
atgcttaatt	attcaattaa	caccgtttgt	gttataatat	atataaaaact	gacatgtaga	480
agtgtttgtc	cagaacattt	cttaaatgta	tactgtcttt	anaanagttt	aatatagcat	540
gtcttttgca	acatactaac	ttttgtgttg	gtgcgancaa	tattgtgtag	tcattttgaa	600
aggagtcatt	tcaatgaatg	tcanattggt	ttgaaagtta	atgaacattt	taaatgccaa	660
ctgttnccgt	tttaaaaaa	aactgtccga	ancttgaact	aaaattaaaa	ncgaantatt	720
caaagggaat	aac					733

<210> 1422
 <211> 231
 <212> DNA
 <213> Mus musculus

<400> 1422

gactgagata	tacatgtctg	agtcacgggc	ggctgaatcc	aagtctgcat	gtgaaggagg	60
agggacagga	ccattcgatc	tccagccttc	cccctactcc	ctcaatagct	tcggccacac	120
cctccctccc	taagacgtgt	gccccaaagt	gctctttggg	gctctgcagt	taagggtcca	180
cctgagaact	gataggagaa	tgaagaagat	gacgagttgg	ggggtaagag	t	231

<210> 1423
 <211> 297
 <212> DNA
 <213> Mus musculus

<400> 1423

tgagggtgctc	cctgactcgc	agcatctggt	aatccagcct	aagcccacag	tcctggctag	60
gtcctgacac	atgtgacaag	tgcatgacat	ctgggtggctg	cagaatgaag	atataacggt	120
caaacagaag	cctgggagtg	ttggtggctg	tgaagtggtc	caaactaagg	atggttttac	180
attatgtgaa	gcanaagaac	agagtgtgca	atcagatcaa	gcctcacctg	cagccaggac	240
tgccctctga	ttctgcaact	tcagctgata	aactgccttt	atcttttaaaa	aaaaaaa	297

<210> 1424
 <211> 185
 <212> DNA
 <213> Mus musculus

<400> 1424

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gcaaaagcct	gctgctttcc	tgtgcagggt	ggagtgtact	aagttagcat	cctgtgatgt	120
acttgcccca	gccagcaaca	gcagagaagc	acacaggtaa	cacagctcct	tgaagttgga	180
ccctc						185

<210> 1425
 <211> 282
 <212> DNA
 <213> Mus musculus

<400> 1425

gactgaggga	acaactgagg	ctgagccaga	cottgacttt	gctgccctaa	ggagattatc	60
aagggtggag	ccatcctccc	tagatcactc	tattgttcag	ccactgtccc	gttcctcttc	120
aagatactgc	tacctgccga	agcaattccg	gagactacac	cctgtcctac	acgtgggtcac	180

ctgcagctgg	gctccaagaa	tgaattggcg	agaatgggcc	tccccctcct	ttataagcgc	240
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<210> 1426
 <211> 222
 <212> DNA
 <213> Mus musculus

<400> 1426						
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actgggtaaa	agcacncggn	ctactcggag	cacaggaaaa	agcccagaaa	acctggccca	120
gcccaggcct	ntctccactc	cctgcttgac	catgcaggaa	aacagacaca	antatcttcn	180
gggcattttca	cccngnggat	taaacaatga	agaacaaacc	cg		222

<210> 1427
 <211> 287
 <212> DNA
 <213> Mus musculus

<400> 1427						
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actctcanag	gnnggncagg	angnacaggt	ggccaccatn	nccaccagga	ggcannncag	120
gagagcncng	atnacncnca	cnatgatnac	tgnggcgnac	accagggtcca	cctgctttnc	180
tggatcttcg	gggtctgttg	gagacaggcc	agngtctgag	atacacgccc	aaatccttcc	240
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<210> 1428
 <211> 294
 <212> DNA
 <213> Mus musculus

<400> 1428						
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acaaaggaat	acacactgtt	ngagaccatn	tggcacttna	acatcctctg	gggtncatcat	180
ggngggaccc	aacttnaggg	ttggcaagaa	nataggggtg	gggaacttcg	gngagctcag	240
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<210> 1429
 <211> 434
 <212> DNA
 <213> Mus musculus

<400> 1429						
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gcaggnggag	ctcaaagtga	cagcttttgct	tagctgtcag	aagggaaggag	gctctcccag	120
aatoccatgc	cctgaagccc	agggtcatat	cctctatctt	cacaaaacat	tggtgctaga	180
ttggactttc	taatcatctt	aatagtggca	actactgaaa	tttgccctcg	ttcttatcta	240
aggaataatg	ctgtcagcat	gtctgcatac	tccatgctct	ccgacagaat	tgtcatggcc	300
aaggaaactga	tcaaaagagc	agaatcactt	tctcgggtccc	gaaaagggtg	catagaaggt	360
ggcgcaaagc	tgtgcagcaa	actgaaggca	gaactcaa	tcttgacagaa	aatagaggct	420
gggaaaaaaaa	aaaa					434

<210> 1430
 <211> 353
 <212> DNA
 <213> Mus musculus

<400> 1430
agaactgagt gaatgctgac cagtgagatg ccagcctgcg tgtgaagatc ctacagcaga 60
agtgcattggc cagtgacaca agaacttgcg agagatgccg gtccgcctgt gaagatcctg 120
cagcaggagt gcatagccag tgacacaaga cgtgcgaatg aaaactagat gtgaccatcc 180
agaaaaagca tagacaaaaa aatgcagtct tagtactggg atgtttgaga tggggctctat 240
ctacatgtct ctagctgtcc ctatcaggac agcatctggt gtggcctgca gatttgattc 300
ctgtactttt ttttttttgg gggctgtttt taaatggatt gttttgacaa tcc 353

<210> 1431
<211> 335
<212> DNA
<213> Mus musculus

<400> 1431
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ttnanocctag atggcactag anggaagaca ggccgaaanc gaantcccag gcttccttta 120
tgntaanagc gatnaggcct ttacaagtct antattgnga gtctccagag agancagagc 180
tctcctaeng actagcttaa acctggagtc agcgagatnc taactgctgt cagangaatg 240
ggcccaagga gtcnngaaag aanccctnca gggnggattg ntgtgaagtg ggtgatgact 300
atanaagctc gaggccagga gctgatgtta ttcaa 335

<210> 1432
<211> 256
<212> DNA
<213> Mus musculus

<400> 1432
gggcacagat tgctattaca ccaaggggac agagctattg agtgggagaa gtggaatttg 60
aataagccag ggngcacaga ttagtgagga accttaactg aacctaccaa ctagaaactc 120
aacatacagg gaggacaatg aagaaacctt caaagaaacc agttcctgtt gccctaactc 180
aacaagtttc aacaaagaag tacactgaaa ctttactgct atgcaataaa gcacagcaaa 240
ctgggaaaaa aaaaaa 256

<210> 1433
<211> 136
<212> DNA
<213> Mus musculus

<400> 1433
acggtggctt gtgctggana gatggctcaa centtaagan tgccgacngc tcttnnaang 60
gncctgagtn naaatcctaa caaccacgtg gtggctnata nccaccata acnaaatctg 120
atgccatttt ctggag 136

<210> 1434
<211> 226
<212> DNA
<213> Mus musculus

<400> 1434
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atgggctggg gtcctggatt gaatcaaag gaggaagcaa gctgagcatg aacattgacc 120
ttcctgactg cagatatcan tgcgatagct gtntoctgct tcttctacta tgcctcccc 180
ttccatgatg gactgtntct tgaaactgng agccaaaaata tacact 226

<210> 1435
<211> 497
<212> DNA
<213> Mus musculus

<400> 1435
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cgaccaggtc ccccaacctc cagtggcctc tgagactccc agcatgaagg agcctgtggc 120
tggggaaaaac cttagtccctg tgagagacgt ggacctcatg gagtgcgtgg aaggcagaaa 180
ccagggtggcc ttgaggctgg cctgcatcgg cgatgagatg gacctgtgtc tgcggagccc 240
cogtctggtc cagctgcctg ggattgctat acacagactc gctgtcacct acagccggac 300
aggtgtcaga ggtattttca ggagcttgat tcgaagcctc accaacctca gggaaaacat 360
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tcagtgaagt gcagctt 497

<210> 1436
<211> 211
<212> DNA
<213> Mus musculus

<400> 1436
aatggccccg gcgcgaaaag aagattgcct gttagtctct tatcaatatc acggcngnac 60
ngagaagaga agctacagtg tgccttttgt ttggttttac caatgtgaag cagttttcag 120
aaaggagnac taccacagga gcctcgttcc aataaaaaga gtgcgtgcat acctttttaa 180
gataagcacg tgatctagat cgaaaaaaaa a 211

<210> 1437
<211> 222
<212> DNA
<213> Mus musculus

<400> 1437
aagctgggtg tggtggcaca tgccttttaa tccagccat caggaggcag aagcagactg 60
gatctccagg agttcaagac cagcctgac tgcatttga gttccagtgc tgaatattaa 120
cccaaggcct tgtgcatatg aggcaaacac tccactacgg tatacattta gcctatactt 180
tgaattttta gaatagagat gttcaaactg caaaaaaaaa aa 222

<210> 1438
<211> 389
<212> DNA
<213> Mus musculus

<400> 1438
tgagattgtc tagccgctcg atggggagtc cagaagaccg cctgtgtgtg tcagatcccc 60
acctctctgt agcaagagaa gtaactacag cgccttcaca gtcattgatga tgaaactggt 120
attaactgag tggcccttat ggatttttaa ctctaactca cagtgaacca gcaagccata 180
tgtttacagt tcaacaaaaa acccttcgtg ttgctgcact tcttgtgaga ggttgagacg 240
cctgttggtg cagagtggaa tacaagagtt acttgccgtg gaacacacct gcagcagagc 300
gagaagacgt cttaatttat cattggagag agatgatagt attatttata taggtagaat 360
aaatatatat ataaatatat atattttgg 389

<210> 1439
<211> 117
<212> DNA
<213> Mus musculus

<400> 1439
aactgagagc atactgcctt gctggtagtt catacccatt cctgancaac actgggtttt 60
gccatggaat ccttagatcc agcgggggnt gggcagtnng ccaactgttca aaattaa 117

<210> 1440
<211> 276

<212> DNA
<213> Mus musculus

<400> 1440
cttacagagg ggatcttngg aagctgtgcg gataacaann gcncgangga gaaaacaaag 60
atcanaatca gttctccttc caagcactca gccaggccaa gccagagggtg actctgcana 120
gagtcacaac cccttgggtct cctgcgtcag atgccacctc tcctaagaga gaactcacc 180
aagatgtgnc tgagtccaag ggaagtccgn gncctcana nacagaancg ccttcactgg 240
ncanctcann ggaacctttt cttgctaatac aagata 276

<210> 1441
<211> 427
<212> DNA
<213> Mus musculus

<400> 1441
actgaggatt tgaaagtatt cttgagggct gtttggacct gcgttattaa aagatctcag 60
tttattttaa gagtgtgacc ctgaaagcat ttctgattgg gccgtntgat gaaaattgtc 120
tgttctgttg cttgaanaga gataaagnaa agggacattt agtcgggtctg gatgaaccag 180
cttccggagc tgggcaagaa gctttgctta agcaagagca cgcaaaaatc attcgactcc 240
agagacaagc agaagagttc ctcaatgcag tcttttatag aaaagggttg tttcagtggc 300
aaacgacaca gctgtctgct tgtcatatat taatttcctt aatatagatg tcattttaag 360
ttactcttca aatatttctg tattccttta tcacattaaa tttggaataa cgttaagaca 420
aaaaaaa 427

<210> 1442
<211> 585
<212> DNA
<213> Mus musculus

<400> 1442
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gtgatgtcac gtttgttgtg gaaaagaagc gctttcctgc ccacagggtg attttagcag 180
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cagagatccc tctccaagac accacggccg aggccttcac gatgctcctc agatatact 300
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ctggctcaca aatatggatt tccagagctg gaggactcta cttctgagta tctctgcacc 420
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aagttaaact ttgtatgtgc tgcatgttca tggacagaaa tgctcaggag gtgctggcca 540
gcgacggctt tctctccctg tccaagacag cacctcctga atatc 585

<210> 1443
<211> 456
<212> DNA
<213> Mus musculus

<400> 1443
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gccctctttc ttgcaagaag gagcagtttt tgacagatac gaagaggaat cttttgtgtt 120
tgagcccaac tgcctcttca aagtagatga attcggcttc ttctgacgt ggaagagtga 180
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accaaaggat cccaaaatcc tggctgctct cgaagctgtt ggaaaatctg aaaatgatct 300
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catgggtggc gaaaatccag aagtaactaa ngaatgctga acccactggg tggtagctnc 420
cctgagcaag ctaaggggagc aagccaggaa gctgag 456

<210> 1444

<211> 199
 <212> DNA
 <213> Mus musculus

<400> 1444
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 tgaggctttc gaacattcct tgtcctgtaa ggaggtgaca gaggcagact gtgacccgga 120
 agacacttgt gattacctgt aacaaacgtt gatgttgaaa ctaataaaga attgttgttt 180
 ttttaagtcaa aaaaaaaaaa 199

<210> 1445
 <211> 183
 <212> DNA
 <213> Mus musculus

<400> 1445
 cctcgagaac ccaggcaacc acagacagac atcagagccc tgtctcgac tgcttgattt 60
 cctcctgata tcctttggca gacactcaaa tgcaatatga gattcagtga tgtaactagg 120
 ctggcgattg tatacaactc actctttaat cactaaaagt aagaaaacat aacagaaaaa 180
 aaa 183

<210> 1446
 <211> 617
 <212> DNA
 <213> Mus musculus

<400> 1446
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 ctttccaaac attcggttca ccaggggaga agtggggctc ttggacaaga ctggaggtgt 180
 cctctatgca gacaaggccc tcagagccct ccagcatata atttgtcagc taggaggcac 240
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 caccttgaag agctaccaag ccaacagctt ggtcatcact gctgggccct ggaccaaccg 360
 gcttctgcat cctctgggga ttgagttgcc tctccagacc cttaggatca atgtgtgtta 420
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 aagatctgnt tnaccatggt gacnatgtgg acccananga accgggactg ncccaaaacc 600
 nttttaagac cttccca 617

<210> 1447
 <211> 489
 <212> DNA
 <213> Mus musculus

<400> 1447
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 aggcctagtt ggggatctac ttgaccaag tggaaatcctg ctctcgaccc tgcagaggtc 120
 tttggcacag aagggaagag gacaccccaa aacatgctgc tgcagctgct gatgtctcat 180
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 agtgggctga ccttcaactg aagcagcctg gaggtgctcc ctgctgggtc ggattctttg 300
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 ttggtacagg aagacataac taatattgta aactggagtt caatactttt tottactgag 420
 ttaggacctg gaacaatgac atcattcctg ttggccttatg taataaatac tgaagatcca 480
 aactagaga 489

<210> 1448
 <211> 172
 <212> DNA

<213> Mus musculus

<400> 1448

ggtaaaatgc	caatctcagg	catcatgacc	acaccagnag	aagaactaca	aggaaggctt	60
tttcaccttt	gacaccacgg	acgcccagnc	tgatctgttt	ttgcacataa	ttaaattgat	120
tcttctacgt	ttatggcttt	gagattnaaa	anacngtgct	tgtgctttgc	aa	172

<210> 1449

<211> 103

<212> DNA

<213> Mus musculus

<400> 1449

tactggacca	gagattattc	gcccggnaat	tgnntncnct	cccccttgct	tcataactga	60
gtgtngcaac	agtaaaattg	gagctttgat	cagaaaaaaa	aaa		103

<210> 1450

<211> 196

<212> DNA

<213> Mus musculus

<400> 1450

gaactgaggc	tctataaagg	acatgggaag	gnaggangcn	ngntntcttt	gcctgcttgc	60
tctcactggc	attagagcct	actgaggcag	ggtgtccagc	cgcngtacta	aagagaagtt	120
gagacatccg	gccttggtga	ctatacagct	actggattct	tggaccttcc	attggnnctg	180
agccattggt	ggacaa					196

<210> 1451

<211> 366

<212> DNA

<213> Mus musculus

<400> 1451

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agcggttgac	ttgcccaagg	tcaccaacac	caaattggagc	cgggtggaagt	caaccaaac	120
ttgttctgct	gcctgtgact	cccagcctcc	agttccacct	gtgcgggttg	gagggttggg	180
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gaacaacgca	tgcagaaagc	aagagggatt	tattgttcca	atgcattggg	gtcaccctac	300
atccaaagga	gaggcgngna	cctctcgag	cctgtttggt	aagtgtttat	acacttttta	360
gagcag						366

<210> 1452

<211> 419

<212> DNA

<213> Mus musculus

<400> 1452

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ccttcagcgt	ttggacacac	agattcacaa	ttttgggggc	ccggattact	tcaaagcatt	120
agatcccatc	cccaacacat	gtgttcaccc	cccagtggtg	agtaggtttg	nctntgaagg	180
cccaggattt	ttatgggtcac	tontagcaga	gtcaaagtnt	gagaaagaga	nngctaanga	240
tatgccctct	gagccttcng	gggaaataag	ggcaaagtct	caagtccttt	tattattttt	300
ttttccgaga	caggnnattc	tatgnatagc	nctgggtgtc	cctggaactc	attttatang	360
ccatggnttg	gcctcnaact	caanaaatcc	gcttacctgt	ggctgcaagt	gcagggcat	419

<210> 1453

<211> 464

<212> DNA

<213> Mus musculus

<400> 1453

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ttaaagaaat	tatgagtcca	ggatcacaag	ttcacatttt	tttgggtgct	ccagttgctc	120
cactgaaaac	nacagtatca	cagggaaacag	cttccttaat	gtccactgcc	aacgcctggg	180
aaaaagtcn	actctcctat	aaacagcatt	ccttgtnctt	gaaggctggg	gatcaggagt	240
ttaaaaatct	ggaagactgt	caagtccccc	aaaggtcttg	gccctccang	ccttcttant	300
ggtgacgttt	tgatgacttc	tgtgaggagg	tctgctcagg	tggaanagga	ctttaaacat	360
tctgcttcgg	aagcacagag	tgtgaaatcc	ccacgttaac	ctgagtata	tgactagtgg	420
acaaatgtgt	ggccttgggg	acggagttca	ccatttacc	cgaa		464

<210> 1454

<211> 440

<212> DNA

<213> Mus musculus

<400> 1454

tgaccaagta	tggtggctca	cacttatact	ctgagcactc	aagaggatgg	gcaacggaat	60
tgctgacccg	agaggacagc	ctcgccgtga	gttcacagaga	tgatccagca	gttgaggtcc	120
cagcagagga	gacttctagg	tgaaccgcca	cagaaaggat	ggaaggtcac	tttacaccat	180
gttgatctgc	tgaactctgt	actccagtgc	tcctgatcct	gcttgcttgc	tgtttatgct	240
ttgctgcacc	agccactgcc	cccttactat	ctgggtaccc	cgcagcagtc	gatgcaacag	300
ccttgctcct	aagtctctag	tggtctggca	gaaggccaat	tgatagcca	ctcttctctt	360
ntcgactta	acacagaact	gntggttncc	aaacaaggac	ctttgcattg	gaaataaagg	420
accctcagcc	ctttcccatc					440

<210> 1455

<211> 203

<212> DNA

<213> Mus musculus

<400> 1455

ctctgctgag	ccctgnctcc	ttaagcaggc	cngagntcga	cagaaactcg	ttgcttngct	60
ggtangcttt	ggagggaacn	nagctgactg	atgaggctga	ctttgaactc	aagagatttg	120
ctgacccccag	tntgctgga	attaaaggcc	tgatctacat	tcgcctggac	ctaannattt	180
tcatgatcac	tatgcttcaa	gat				203

<210> 1456

<211> 236

<212> DNA

<213> Mus musculus

<400> 1456

ctgccccacc	ccttcttcat	gtccactgn	nctagaatca	gatctgcatg	gctatgacat	60
gctcgccgtt	ttaaagatgc	aaagatttca	tgctagatca	ttagaatgta	tctggacttc	120
gtaggacaa	gttctttgct	agtaaccagt	cacgtgctag	caattgaggt	gtgttaacct	180
gtatattgnt	gcctatgagt	aattttccat	aatctttaat	aaaggcttcc	tgtgtc	236

<210> 1457

<211> 116

<212> DNA

<213> Mus musculus

<400> 1457

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catccccctt	cnttcataac	tgagtgtgga	gncagtgna	attggagctt	tgatca	116

<210> 1458
 <211> 119
 <212> DNA
 <213> Mus musculus

<400> 1458
 acactgtgcg cctttatact gtgccagaga tcntncggcn gggaatcggn tncnntnccn 60
 cttgottcat aactgagtgt ngcaacagta aaattggagc ttgatcaga aaaaaaaaa 119

<210> 1459
 <211> 127
 <212> DNA
 <213> Mus musculus

<400> 1459
 ggggagccac acactgtgca ccttnntact ggaacngaga ttatnncgc cggnaatctg 60
 gnttcntnnc cgcttgcttc ataactgagn gtggcaacag tgaaatngga gctttgatca 120
 agaaaaa 127

<210> 1460
 <211> 173
 <212> DNA
 <213> Mus musculus

<400> 1460
 gcaaaggctc atacacnctg caagtcttna tggnccttacc accanccctt ccagcagggt 60
 ctantgcctt gacctggggt aggaccgagn gaaggangaa gagggtaaaa gggcacagac 120
 ttcccccant ntgcctataa taaaataaca atgctgattc aatgaaaaaa aaa 173

<210> 1461
 <211> 443
 <212> DNA
 <213> Mus musculus

<400> 1461
 ctaccctccg gcctctactt ccacgtgctg ggatcgtggg catgtgccgc cttgtatcnn 60
 ctcatgtcac tttgtaccac tgcgtctagc tgagtctgct tgtcttgctt gagctgagga 120
 tgtgaaaacc cttaaagagga agtgcactgt aaaggacttt ccttttgagg gcctcatcat 180
 tctagaaggt tccttccgcg tgacctcctc cccagggca gctcccctgc ggttggtgggt 240
 gtgcacctgg tttctaccca cgcttgctggc cagtttgctt aatcctgtgg cactgttatg 300
 aaatcctaatt tacaattaag aaaaaagtct gagcaaaacc caagatacct ccggatttta 360
 tcatgatgct cattaatctc atcttcaaac ttaatgtcaa gtgtttgtct tttgcttttt 420
 gaaaaaattt tttcttaaca tac 443

<210> 1462
 <211> 118
 <212> DNA
 <213> Mus musculus

<400> 1462
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 agaagtgggg aacaggactt attccagcaa gggaggagag ctttgcctg ctcgatgg 118

<210> 1463
 <211> 157
 <212> DNA
 <213> Mus musculus

<400> 1463
acctgaggtc cctgttcggg cgccaaaatg ttgcggccgc cagcagctcg caacgtgaac 60
ggtttgactg agaaggccgc tcgagctgta agagaggaat ctagacgggg caaaagaaga 120
aatgtagcca agacagttac tctgacgaaa aaaaaaa 157

<210> 1464
<211> 260
<212> DNA
<213> Mus musculus

<400> 1464
cctacagagt gagttccagg acagccntnn ntatnctgan aancnnntc ggnacttcca 60
gttctnctat gaaggatgtt gatggtttag nncggggaa caagtgnccc tttccagttt 120
tgtccagacc ctgacgagga cataatggtt gttatcaata aggaaaagg anaagagatg 180
gaacagctca ntgagganct ttaccaacaa aaccaggagc tgaaagacaa gtacnctgac 240
ctccatgagc agctacagac 260

<210> 1465
<211> 418
<212> DNA
<213> Mus musculus

<400> 1465
gactgagaag agaggtggct cgcctgcatg tctgttgtct gcatgtctac ttccttggtc 60
tgtcactcgg ctgcacnttg acctcaccaa gntgaaagnc gacatgtgca tggcagccat 120
cttgctctgct aactgaactc cngcacaaca agatggaggt ggctggcctt catgtgacct 180
attgtttcag gtgcgttttg tttctccctt caccgggttc tagtggcccg gtttgcaagt 240
gcagaatggt gacgaggctc cctaaagcag cctcgaccat ccacagacag cctcacgttt 300
ttctcctact ttttccttat gcttttaaac ggcagactct gaattgnca anctaaaatt 360
nttttggggg gaaaattaaa atttttaatt taaaaangcc ttaattaaat gaaaaaaa 418

<210> 1466
<211> 518
<212> DNA
<213> Mus musculus

<400> 1466
aactgagatg tcaagggcct ctacacacat ctggaagttc aggcattggc cttgagaacc 60
gcgtactcac gcgtccagg aggoncactg cggcaggatt gccccgaaa gctgtcgcag 120
tgaacgcata tgctatgaag attgggagct tcattttcct cgctggctct gtctgagggc 180
tccctgccct gctcggagcc cgtttcactt ccagctgtta agaagaagaa aaagttaatg 240
ttttactcca tgtatagacg tagttaatag ttaccagata gaaagtcatt gactccaaca 300
tactttgcac ctcaagatgt gcacaccccg acttttcaaa gcctctgcat ttaatttggt 360
ttaaaatact aactgaaatg aaacagtttt aacctttggc tatttgcccc tctaccccaa 420
cagaactccc caacataatc accctctgtc ccagagtagc tgacactagc tgtgacagtg 480
actttaataa aattcatgag acatctgaaa aaaaaaa 518

<210> 1467
<211> 134
<212> DNA
<213> Mus musculus

<400> 1467
gacagtcact ttactgttta aagcgnntca aaccctaaanc ggcaatgang gaggtggtct 60
ctgccnactg ntgatnaaca ggaagagacc gtgaattgag gccaccaaga acttgacgct 120
gaacaagatg gaga 134

<210> 1468

<211> 204
 <212> DNA
 <213> Mus musculus

<400> 1468
 tgcttgcttc tatctgcnga ncccatntga agactgatgc tgtccgngtg cacatccggn 60
 atgganctct ggtccctggg cttaaggagc ttnccggtgg ggcacaggt gcagccacca 120
 gaggaagggg attancgata gctctcanag aggagagcag gctgtcctgg gcatttttaa 180
 aaatggcatt ttgaaaaaaa aaaa 204

<210> 1469
 <211> 103
 <212> DNA
 <213> Mus musculus

<400> 1469
 cgtggcaacc atactggggg cctcntatan cntgtnaagg aagantataa tcgntttgat 60
 cttgaacttt acnatgaagc tgtaaaaatt atcaaaaaaa aaa 103

<210> 1470
 <211> 505
 <212> DNA
 <213> Mus musculus

<400> 1470
 ccctgaaatg ctctggaagc tatggaccag caagaccttc cagannagag agaacgatgg 60
 cagtgggtgag cgataaggcc ctaggtaggc taaagtgcc cggacaagat agcattgaat 120
 tgggcatctg tggtctggctg acttataaat tgacctgata agcaggctcct tggactggga 180
 tgaaagaggt gtcactgaga gattaatctg atggccttgg gctacccgtc cccggatctt 240
 tctgggagca gtgtgaagat ggggtgcttt tagaaagttt tatgttacca actgggcca 300
 acctttcaat cttggatttt aaaaacccca ttgaaacccc tttgccacag gaatggcatg 360
 tagctttctt agagttttatc tttccttaca cataagaatt cagagcctta gggagatggc 420
 tcagtgggta agggcactgn ccccaagcca gaggacctga gttcgagtcc ctgggacctg 480
 caatagtgga agattoctat aagtt 505

<210> 1471
 <211> 170
 <212> DNA
 <213> Mus musculus

<400> 1471
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 ggagagattt ctacaggggc atgaanngac tccaccaaga ctggagaaat gctactctca 120
 agtgcaaaaa tgaattctac caatgttctg atgagaaaag gaaaaagaaa 170

<210> 1472
 <211> 123
 <212> DNA
 <213> Mus musculus

<400> 1472
 gaactgagga atttgatcag tttgatgaaa tttcattgat gtcaactctc cagctgtctg 60
 tgccttacca aaagctgttt gctccaaga caacaaacag cccgtgtgat ccaaaaaaaaa 120
 aaa 123

<210> 1473
 <211> 452
 <212> DNA

<213> Mus musculus

<400> 1473

gggtgaaggt	ctcctgnagc	cacatctatg	nagttacatg	aagatnnggn	cctgtnaaca	60
tgggttcttg	gaactgaacc	caggtcctct	gaaaggacnt	cgagngctct	naaccactga	120
nccatctctg	cagnctaacc	ccatcccttg	gaggctgaag	caaagcatag	ttcaatgact	180
cgtgcgacct	ggctcttgat	tgggcctaag	gaaaagccga	ctgtaagccg	ggaagcatct	240
ctggcaagaa	caaggaagga	ttaagcacgt	ctgtggttgt	gcgcagggat	cacaaggtgc	300
tctgcagtg	ggaagagcca	ccactagggg	cgctccaagt	cttgtatfff	ctaccttgaa	360
aactcgtttc	cctgtggctg	cctccaaatc	caacggagat	gaatggcttt	tagtttacct	420
agctgattta	ataaacttta	aaaataaatg	ta			452

<210> 1474

<211> 237

<212> DNA

<213> Mus musculus

<400> 1474

gaactgaggc	atgtcatgaa	gctccgtgaa	gacaotfctt	tgctcatgaa	gttcatgaac	60
ccttcttgca	cgtaatgggt	tggctttggg	ggcatctctg	acgcaaggat	ggacctctcc	120
agagccaggc	atgaggctag	acaagggtgt	tgccatcagc	tccaatgccc	cccgtgccaa	180
ttcactcatc	acaccagatc	ataaaaaata	atctttaatg	gctttagaaa	aaaaaaa	237

<210> 1475

<211> 343

<212> DNA

<213> Mus musculus

<400> 1475

actgagtttt	agaatgtcct	gtgacctggt	atattagggg	gagcaaaaat	ggaacttgca	60
acactactca	tgccagccac	acctacgaga	agagtgaacc	ctacagagag	ccacacatag	120
ttctccctga	gtcagtggtc	caggggtaat	ccagagcctc	gaggctgcca	tcgggactgt	180
aacggacagt	gaagatagga	tgaactgagc	acaagtgaca	ctatfcttcta	aggcagacat	240
agttggccca	atcttttaggt	taattttggat	gttactttgt	atttcataaa	tgacaataaa	300
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<210> 1476

<211> 262

<212> DNA

<213> Mus musculus

<400> 1476

aaaagagatg	cagaancctg	naaaccttcc	aaaggaggga	aaagaacagc	actcannaag	60
gaaaagaaat	gatggagttt	ttctcttcc	gagtccttan	gngtcagtgg	tacagtgtag	120
acaaaatgat	gacagccatt	aatgtaacct	ttgagaggag	ttgtctgtcc	cgcctaagcc	180
gagcagggtt	catcgacctg	atcttagtag	tttctagaat	tcgcctaaca	ctgtgtgagg	240
gtttcatgtg	aaggatgtgt	ag				262

<210> 1477

<211> 428

<212> DNA

<213> Mus musculus

<400> 1477

ggagaggctc	ctcaagggtg	tatcctgcta	ctgctcccca	aggccttgac	caagcatagc	60
ccccagggc	tggactacac	tgttgaagac	ctggcacagt	cagatttcag	cctttttatg	120
cctttcatgc	ccccactcc	cattctttct	ttaaactctg	ctagtaactt	ataagaggga	180
atggattcca	tggatatactg	gctctgtcac	tcaccagctc	agccttggtt	cttccacggg	240

cctggcacat taaggggatg gccacttgcc tgccaccaac caaaccaaca tggcaggagg	300
caaaaccccc ttagtttgaa tggccaagt atatatatttc tctaaagaaa gttgccagga	360
tcctctttgt aacttgtgac atgaatcaga ataaagaatt ccctctgtcc tgcctgcaaa	420
aaaaaaaa	428

<210> 1478
 <211> 201
 <212> DNA
 <213> Mus musculus

<400> 1478	
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catccctgtc accactctag agggaacagn tattttattt gctatggaca aagacaaggg	120
agggtgctag ggaatgattt tgtttctata aagaataaaa ttgtgtccgn gngtggttcc	180
cgggagacag caggaaaaaa a	201

<210> 1479
 <211> 356
 <212> DNA
 <213> Mus musculus

<400> 1479	
gactgagact tgtatcggtg tgattatact gtttagatga aaatgtntgg taaagcacgt	60
gcttctagga aaaaacctca ncagctgaaa agaagtttga aacaacagag ccaatanagg	120
aagcggattt gccngagaat gaggttgga acacagcaaa aagaaacaga agtcatgcaa	180
agcatctgtc ctctaaagta ncaggacaag caacgtatat tcattctana cggatanaaa	240
tatcatccag cagcaganca acctgncnnc ctcttncaan ggatactgan nagtatttgc	300
naagtatgat ggagtnagtc attcttggaa ttttattcaa cataaaaaa aaagaa	356

<210> 1480
 <211> 105
 <212> DNA
 <213> Mus musculus

<400> 1480	
gtagcttctt gtggaactct caaaggctcg acaggggggg tggntgggnc catatatcta	60
ctgcctcgaa togatgaatt cgagctcggt acccggggat cgaag	105

<210> 1481
 <211> 131
 <212> DNA
 <213> Mus musculus

<400> 1481	
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taagcggaag tgtattttta ctgacacatg tgatgaataa agcagcttgt ggttttggtg	120
aaaaaaaaa a	131

<210> 1482
 <211> 303
 <212> DNA
 <213> Mus musculus

<400> 1482	
gggaggagcc gacggccatc tctttcacca ggagaaccaa gtagctccct taacctcagc	60
ctcatgacca tgtttcagca ctgtcttaga cttggctttt cagactcagt tctgcttcac	120
acactggggn ctgcgatcac gcgaggaagg gagcttatta gttaaaccgt gtggagacca	180
cagcccacac catcagttag aatcagcgtg ggaccactta ttcttgggga cacctgaaca	240

tcaacaagggc aggtgactga ccccaaggac tctcagcaca acacagacag caagaaaaaa 300
aaa 303

<210> 1483
<211> 554
<212> DNA
<213> Mus musculus

<400> 1483
cttatectcg gaactccact tccngncaag accanacatc ttctccctna acatnggnnn 60
cgcgnaactta gggctcnact tccccngcca gctnctntac tntatnttan ataattggctt 120
ctacatnann tectcgacga agngtaangt ccatccccaa caggnantac attctctccn 180
aggattncat nctnnacat taaaatctcc aatgtctnct gggaggcctc tacgtctaaa 240
atcaanatcc tcttcgacac naaccttcat gagcatgtat aacttttnnt nactgtttca 300
tcaattantn cattctganc ctctnaacc agcacatctg ccctntgctc taccatanct 360
cggacagcat tntcaatct cctcctggac acattgcccc tccccaacnc tgcggatgat 420
cnccagctca tgcactacta ccttntgaan gaccctgtat tctccaacgg ncnacctttg 480
anatctgaan tccagagatn attcttccct ttnaaggang acaactacna tccttcccaa 540
acaaggcggc cgaa 554

<210> 1484
<211> 243
<212> DNA
<213> Mus musculus

<400> 1484
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tgcttgggtc tacagatgta ccctgtgtgc ntggctctgc tgatattgga ttctcaaagg 120
aaaaccattg actttgaaga gtgaagcctg gatgttttat caatgtttta atatgaaaac 180
tcaaattctat ataaaatggt cacaatatag aaaataaatg tccatttaca tttcaaaaaa 240
aaa 243

<210> 1485
<211> 311
<212> DNA
<213> Mus musculus

<400> 1485
acattacagc tccgcncttc ntggaaagtt tgcncaggt ccctaacatt gntgaagant 60
nactaatnng agactananc tcaagcnctt gctgcctggt tcaactcctag gtttagctna 120
attgcnctac acatanatat gcntaggggg ncatagatgc agngncanct tagcagttca 180
ggncacttgc tgtttaata tnaagactgg anctgagatg gncaaccatt cacaaccta 240
taatttcanc ttnaanagat ctaatgccct cttctggcct ccttaggcaa nctcatatcc 300
tcatagagat a 311

<210> 1486
<211> 117
<212> DNA
<213> Mus musculus

<400> 1486
atccccaaac atacacattc agggggggat gggaacannc atgggtggatg cgocctcangg 60
ccacggncca cgtctgttgc aataaatctg cagctctgct tcttgcaaaa aaaaaaa 117

<210> 1487
<211> 463
<212> DNA
<213> Mus musculus

<400> 1487
 atatgtctcac acgatctgaa attcgctgct gtgaaaacag aaggaaacgg tcctgtcagg 60
 agaaccagcc cctgcagttc cctaaggctg gcacaatgga ggaaggttcc tctccgcctg 120
 agttcctacc tcggtgatgg actccgtgat ggactatgat cctgacaccc acaactaaga 180
 tccggcaggt gcttgcagac agtgacatct tgtgggaaat ctcaggaact gcaccgtggc 240
 aaatcgctgc tccttttact gtggggctct tggaataccc agtcaacatc aaggaagcat 300
 tcattcattc actgccttct gtgtacaagg aactgatcca agtcctggaa taaagaaagc 360
 aagagagact ggatggctac acggggagtg aaaaaattcc caaggattat aaccttgtca 420
 ttactgctca actttaaata tattttgtgt gtgtgaaaaa aaa 463

<210> 1488
 <211> 124
 <212> DNA
 <213> Mus musculus

<400> 1488
 cttggttccc ctgctctgac agatngaacn nagentcagc gtgtnggncc nnctgnctgn 60
 ccatcccggt gataaattga ctatgccaat aaattaacat tgnttcactt tcgaaaaaaa 120
 aaaa 124

<210> 1489
 <211> 278
 <212> DNA
 <213> Mus musculus

<400> 1489
 tctgccccag aggttacatc aattgaactt ttaattaagt tctgctgatt ccttgcctct 60
 gtatcttcag tgaaatgtgc cttgtgctcc cacacgtcat caacctaaaa agaagtcctt 120
 agtgaggata aactagtgtt tcataatctt gtttcctttt tctctttctt cagttccttc 180
 tgtattcaag gggtttaagga acccggggca attatcttgg agacgtaatt tttctggata 240
 tcaatcaata aaagcaaata tgatttgaaa aaaaaaaa 278

<210> 1490
 <211> 110
 <212> DNA
 <213> Mus musculus

<400> 1490
 gaccctgctt acttggctga actacggaca acancatath ntgtntcttan aggcccttnc 60
 gctgntccta acaacncatn ctgggcccga actgtggcct ccataaattc 110

<210> 1491
 <211> 156
 <212> DNA
 <213> Mus musculus

<400> 1491
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 tgaacacagc ctctccaact atcacaaaca aaactagttt ccaaagacat cttatttctt 120
 tgcgctataa agtatagtgg catcagaaaa aaaaaa 156

<210> 1492
 <211> 432
 <212> DNA
 <213> Mus musculus

<400> 1492
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aat	ttt	gt	tct	cca	atc	tttc	att	caag	gga	acg	nact	taca	atg	naac	ccta	cact	ctgt	tg	120	
cgc	acac	act	gt	gg	tct	tag	ta	gn	atag	tat	g	gga	aaga	acg	gna	agct	ct	gtt	gtct	180
act	ttt	gt	ttc	tct	aac	ctgt	ttt	gt	aa	agt	cct	ctg	atat	gtt	gaac	taa	tta	atg	ta	240
atc	agg	aaa	ag	gtt	tct	tag	ga	tgt	atat	cag	ttg	agt	attc	att	tat	gctt	tacc	agta	ac	300
aa	att	tag	aga	aag	gg	aaa	agc	att	ttt	gt	tata	ttt	gt	at	gg	aaa	atg	tata	ttat	360
tag	catt	tttc	aac	att	ttg	ga	ctc	ga	att	ttt	aatt	ta	atta	aag	ctg	aa	tt	tag	tttt	420
ag	t	aaaa	aaaa	aa																432

<210> 1493
 <211> 300
 <212> DNA
 <213> Mus musculus

ggg	ag	aaa	act	cact	cg	ccaa	aca	ac	gt	ctc	gtg	gt	at	ct	gnc	ng	act	ct	ngcc	gctt	60
gcat	gan	cct	gg	ct	gct	cct	gct	gg	att	gc	gct	act	gnt	a	cng	ant	cat	g	ntng	gn	120
gct	ant	ga	ac	tg	gn	ct	gctt	ana	tn	ct	gac	ac	gg	aag	agt	gga	at	gc	cc	caa	180
act	tct	aata	agg	tcc	acaa	ctcc	att	ttgc	ctn	ta	ac	ctt	gct	ttt	tt	ccc	tac	ct	ct	gg	240
tg	gt	ggg	gcta	aang	gg	aggg	gga	tt	aaga	accc	caa	ata	aa	ga	cag	at	gt	gaa	aa	ac	300

<210> 1494
 <211> 377
 <212> DNA
 <213> Mus musculus

tgc	atag	ttg	aaga	agg	aaa	gca	aaa	at	gtt	aat	gga	ac	ga	agcca	ag	g	ctac	at	ct	60	
ctt	tt	aact	ag	agt	gg	gtt	an	ct	ng	catt	gct	cc	ag	ctg	aag	ag	ccc	ag	gag	ccc	120
gaaa	aa	agacc	an	ca	agg	gcg	ac	aaaa	ag	ca	gaa	ag	tt	taca	gag	ga	at	gtg	aag	aag	180
tcc	aca	actg	gt	acca	atag	gag	ag	act	cc	agata	aa	gaa	aat	gt	aa	aga	tg	ca	ag	aaaa	240
tat	ca	cagg	aaa	act	ccaa	aat	cg	aa	atc	tgat	cc	aa	agt	acac	ct	aa	gg	gt	aa	gaaa	300
ga	agg	cct	gt	gg	ct	acag	ag	act	cc	aga	agc	ct	nc	ggc	cct	gg	gg	gacc	tt	cagg	360
ga	agg	cata	taa	agg	g															377	

<210> 1495
 <211> 318
 <212> DNA
 <213> Mus musculus

agg	ttat	ccc	ct	ac	cc	catc	att	gt	aa	act	tt	cat	gt	act	tt	gt	aa	gt	aaa	at	60
gt	act	cg	nc	ag	ctt	ct	atg	gnt	tt	ct	gt	at	ggg	gna	ag	tc	ggg	ct	ggg	ca	120
nct	ac	ng	gnc	ggn	cc	nan	tt	ct	ga	cn	gc	cn	gt	ac	cng	ta	aa	ac	ag	tt	180
ag	aaa	agg	cc	tcc	ag	ca	cta	ca	ag	ta	nn	ta	an	cat	nt	ag	ct	cc	cc	na	240
nt	g	tag	ca	ct	gt	cc	ac	cca	tct	ct	cc	cca	naa	ac	at	ca	ac	ag	ct	nt	300
aac	ag	tc	ctg	tct	tt	tt	gt													318	

<210> 1496
 <211> 228
 <212> DNA
 <213> Mus musculus

gct	gt	ca	aat	cg	ct	g	gg	ca	tgg	at	cg	att	ca	ag	gt	gt	ttt	gcc	aat	gg	60
ca	act	tt	ct	cc	cat	cg	tt	cc	aag	ct	tt	ac	g	g	ata	aa	ac	ac	g	ct	120
cct	ca	cct	ttg	tct	ta	cg	ttc	ac	at	ct	g	ag	c	tc	ct	ct	ggg	ga	ag	ga	180
gag	tt	cc	atc	ta	ag	ct	ct	ta	ata	aa	at	gt	g	aa	gg	gg	gaa	aaaa	aaaa		228

<210> 1497
 <211> 162
 <212> DNA
 <213> Mus musculus

<400> 1497
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 tatnctgcag ctgggctcca agaataaatt ggcaggaatg ggcctcccct ccacccttta 120
 taagcgcagn tgccattaaa catttgagcc ttgcttgatc ag 162

<210> 1498
 <211> 258
 <212> DNA
 <213> Mus musculus

<400> 1498
 ttttagagta tcaataaaaag actggggaca tgaattacgc ctgagcctgg cctgacaccc 60
 caaggatgtc aaggaggatc aatgttccag agataagatg canagtggcc gccgcctana 120
 gcctgacttn tgccctnatg tcagcagatg cccgcttntt tgggtcttgg taaattcccc 180
 ctgcacccct tcctattccc cgtgatgcac gctttaaaac aaggcacctc agcataataa 240
 acggagacct tgctaggc 258

<210> 1499
 <211> 810
 <212> DNA
 <213> Mus musculus

<400> 1499
 gaactgaggg attgcccttc tctcagatgt gtaccctgaa gaaatcttgg ttgatctggt 60
 ggccaaatat gacagtggga aagacaagca cactcctgag accagaatga aggttggcga 120
 ggtcctgatg cgagttgtca gagcactggg ggacatggtc tcgaaatacc gggaaacctt 180
 gatccacacc ttcctgcggg gagtgagaga tccagatgct gcacacaggg ccagcagctt 240
 agccaacctg ggagagctgt gccagtgcct gcacttcctg ctgggccccg tgggtcatga 300
 ggtgacagcc tgcctgattg ctgtggctaa gacagacaat gatgttcaag tgcgcagagc 360
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 ccattannac cctnggtttc accaangaac nattgggnaa nnaaanggn cngngtgnaa 660
 anccntaanc cnngcncaan ntggnnantt tgggtgtanac nnnnacnnn ttccanncna 720
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<210> 1500
 <211> 384
 <212> DNA
 <213> Mus musculus

<400> 1500
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 tggtcataac ataacacnna antgnanact gccgtagggt tgtgtggggg tgggggcatg 180
 tcaactgagtc caggttactg ggantttatc ttctagggac tggantcaaa aagacaaaaga 240
 gctantgggt accaagctgg atgcctatca taaaatggag ttacagtacn atcacgttgg 300
 ggaccncna gatacacaag tgcttgctct ttaccgcttg aaaccctca cacctcaatc 360
 ntantataca aaaaggattt ttgg 384

<210> 1501

<211> 101
 <212> DNA
 <213> Mus musculus

<400> 1501
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<210> 1502
 <211> 254
 <212> DNA
 <213> Mus musculus

<400> 1502
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 tgttgtcaca agaagagcta gtaaggaatt actgagccaa aatcaattac caacgcgtct 180
 caggaaaaca ccatgtgtta gacagcctgc tgcagataac ttggttttga taaactcaaa 240
 gtccaactca taat 254

<210> 1503
 <211> 324
 <212> DNA
 <213> Mus musculus

<400> 1503
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 tcggtnaccc gnggatcaga anttccctatt cgggaagtcc tattctctan aaaantatag 180
 gaactttttn acctgcaagc atgcaanctt ntacctcgac gtcnaanaag ggactgangn 240
 ctngnataaa agggnaaaga ntoggatgcn gtgtcccaac cnatgganng tttcttangg 300
 gggannaaat aacccgggcc ggca 324

<210> 1504
 <211> 381
 <212> DNA
 <213> Mus musculus

<400> 1504
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 ataatggnna ggaaccaagg cagcttctna taccaccaat cgtgaagaga gtcccaanaa 180
 agcagtttaa ccccgagtc ctggctgaaa caaanctcca attancccggt ggggttctcc 240
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 ggcctaggca tcctcctttt t 381

<210> 1505
 <211> 217
 <212> DNA
 <213> Mus musculus

<400> 1505
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 tagtttcatt tgttcattca gaaganaaaa taattttgat tgctgaatgt atctgaagta 180
 atccctgcat taaaatcatt ttctatcaaa aaaaaaa 217

<210> 1506
 <211> 215
 <212> DNA
 <213> Mus musculus

<400> 1506
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 gccatgtgct ccaccatgcc ttgtgctgag atggattgta ccctcttaaa tcacaaactg 180
 taataaactt cttcctttaa gtgggctaaaa aaaaa 215

<210> 1507
 <211> 354
 <212> DNA
 <213> Mus musculus

<400> 1507
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 totggtgcct gactcgtact ttgacgcttt caccagcccg ttcattaaca agaagggtga 240
 gggggngacc tgcgggcccg ggcccaacct gtcagccgtg tttgaggatg acaggaactt 300
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<210> 1508
 <211> 220
 <212> DNA
 <213> Mus musculus

<400> 1508
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 ccncagcat cattggnact atcctcannt catgtggaat ccgaattact gccatcanaa 120
 ttcacccta tatgaacntn tnagtottct atcctccnc tgtcangnag naagcgcgcg 180
 tantcttttt tgnaatctgt tccntogate tcgaaatccg 220

<210> 1509
 <211> 455
 <212> DNA
 <213> Mus musculus

<400> 1509
 aagacagaat cgaaattgaa agaagaaaac acatggacca gggtgtggta ctgtgccga 60
 agcgccagga tatcttgctg cgtcttggcc agcctgacct gggaggcccg gaaatccacc 120
 ttctgctgct tctcggcctc ctgcttcgtg cggaggaggc tgttctccga aaacttgaac 180
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 ggacagctgg cctttggttg tgcccctccc ctaggggcct atgcgtctct ccggcctggg 360
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 agccatagct gtcaataaag tattattggg acaca 455

<210> 1510
 <211> 223
 <212> DNA
 <213> Mus musculus

<400> 1510
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gcaaagatgt caccaacaga cttctgactg catggngaac tttcatatga tacataggat 180
tacacttgta cctgttaaaa ataaaagttt gacttgcata cac 223

<210> 1511
<211> 169
<212> DNA
<213> Mus musculus

<400> 1511
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attgagtgcc nataccccag gcaggncaan gcgagcannc accctatcca ncccacctgg 120
gttnccttca gagcnnntga gcantcacga ggataaactg gctttctct 169

<210> 1512
<211> 267
<212> DNA
<213> Mus musculus

<400> 1512
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gctcacagtt tgtcttacat gatggtgcac cagtgtactc ccagttcttg agagaaagat 180
catgagtcca aagccagcca aggctccata gcaagtttga gaccagcgtg ggtcacattt 240
ggagatctga tctcaaataa aacaaaa 267

<210> 1513
<211> 214
<212> DNA
<213> Mus musculus

<400> 1513
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gngtcctctg gcaactgtgac agctgtgagc tacagtgccg tgctgggatt gaacctcagt 120
cctttagaag agcagccagt gctattgacc actgaactat ctctctagcc ctcttaaaat 180
aaatttcttc atgattttatc cgtaaaaaaa aaaa 214

<210> 1514
<211> 271
<212> DNA
<213> Mus musculus

<400> 1514
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antaacnatg ccaccatatg gaaacgcctc cagcccttgn ggaccaagaa agggcaggaa 120
actgngganc ctttcagctg gaccocctgt gcccgctctg catgtgcca ttaactgct 180
ctttggctgt gagcttgagg ctgtcctaca agatcacctg tataaccan ncttcanatg 240
catctgcctg atgaggccac agcctctggg a 271

<210> 1515
<211> 460
<212> DNA
<213> Mus musculus

<400> 1515
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ggaggaggag gaacanctcg aggetgcggg actnnaataa caaccgagtg nttntggaga 120
tccattccct catggngcac cantgtttcc acagngaata ttttgacagn ctgctgcatg 180
cttgcaaacc gngtcacttg cgatgttcca accctcctgc aacctgtcag ccttactgtg 240

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tgaccttggg	cctntttttg	gcacttttca	caatctcatt	ttttgtgagg	aaanangaac	360
ccccgaaggc	ccttgaaggg	acaaagcctt	aaaagcccca	aggtcaagct	ttgacgggat	420
cggnttcagc	ttggacaagg	ccgacacccg	agcttgacta			460

<210> 1516
 <211> 298
 <212> DNA
 <213> Mus musculus

<400> 1516						
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aaataaaaaat	ntttannann	gtgaacannt	atataannann	cnnatgtaca	acctatngcc	120
cncgactntg	aagtacatac	ctggnaagca	tanagaattc	tcaaaaaggc	ttgggtgggtg	180
taaaaacttc	atcctagaaa	aagtgaagga	gcaccaggag	tccttggaacn	ggggggggnnc	240
ctcgggatta	catcgactgt	ttctcagca	agatccgagg	aggtatagga	cttggggg	298

<210> 1517
 <211> 102
 <212> DNA
 <213> Mus musculus

<400> 1517						
ggcaagtctc	gaaattcgat	atcaagctga	tccggaaccc	ttaatatatac	ttcgtataat	60
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<210> 1518
 <211> 200
 <212> DNA
 <213> Mus musculus

<400> 1518						
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agctgcctct	atgctgcaaa	tgccagggaat	cttgagagct	gccaatgttc	agtcattctt	120
accctggcct	ccttttctaag	tctgtcccca	gggtggaaat	gtggagatct	gccttagctt	180
tgatgctgaa	gaaaaaaaaa					200

<210> 1519
 <211> 663
 <212> DNA
 <213> Mus musculus

<400> 1519						
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acttcccagg	aagagtccag	ctgctgaccg	tatccacccc	caccctactc	aggcgcttcc	120
cttctctctc	ttctcaaacc	gtgcttctag	actccagccg	ctacatctcc	cttctgcgaa	180
gctcagaaaag	atgccacaca	tccccctggc	tcttaccac	tgcccttctt	tataagaacc	240
ctggctctca	gcactgagca	gcacccgtcc	gtctgtccgt	ccgttcttca	gccttcacag	300
gtgggtcttct	ctcggtctca	ttccagcagg	acaggctctc	ctcagaaaag	aacgctgggt	360
cacggaggcc	acagctgcct	gtgctaagtc	ctccctatgc	cagttccagc	caagctccag	420
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tacaccaatt	aggtcttctc	gtcttgcaac	acccttccat	gacaactcgg	ggactacaat	540
caccactaca	cactgggaagt	ntgatattnt	cttctctcca	ttngttacct	acttcaacag	600
accngaattg	cttnttggga	gccaggggac	caaccagaga	cttggantct	ccatatcccc	660
tgg						663

<210> 1520
 <211> 418

<212> DNA

<213> Mus musculus

<400> 1520

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actgcccacc	cactcaacca	agctgttggt	ggtggccagt	ttctctccat	cattagtgat	180
gtgtagtctc	tcagagactg	attactgact	cctgtttaac	ctctactgcc	agaaaaatgt	240
taccttatct	tttcttaatt	tgccttgcc	tttattaaat	gaataagtag	agaaatgtta	300
gtaaaatggt	aaaagggaat	cacgtgacat	tcagggtagg	aagagcttgg	atgctgnaaa	360
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<210> 1521

<211> 443

<212> DNA

<213> Mus musculus

<400> 1521

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cagagaccgc	acaggaggcc	tggatggagt	cttccattgg	gaactgcagg	ggaaaccatg	180
ccctggctgc	ggaaggctcc	ggctgatgct	ggacagagag	aaggagtatc	tttgctgaga	240
caagccatgc	tccttctctg	tgatgatcca	gtcaccgggg	gtggttgga	gatgctgtcc	300
ttggcctgag	cagcccacaa	cctcatctgt	tccccagac	attcagggat	ccacttacca	360
atatgacttt	cccaatgtng	aacatgcnta	canggcanca	anccttnagg	nttacggctc	420
ctgganaatg	gggttatcct	gaa				443

<210> 1522

<211> 519

<212> DNA

<213> Mus musculus

<400> 1522

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tcacttgga	tatggagaga	cgcaagagga	tcataagttt	gagggcacc	tcaggaacac	120
agcaagtctg	agggcagccc	gagccacaca	cgcttcttac	caagaaagga	tgaagccaat	180
gttcccactc	tatcctaata	taggctgcca	agcacaccca	agaatgtgtc	ctgtgacccc	240
acactagaag	accttgacac	tcagtatgat	cgcacacga	agcctgatct	atacccaagg	300
gtgggaaccg	catcactgtg	gtctctaccc	atcatggaga	ccctctcact	cactcactcg	360
cccactcact	cacagtgtga	ccttggggaag	ccactgaact	gatctagtct	ctctcccata	420
aaatggacta	atggttgcat	ctcccccgag	agcttggcag	aaggggttaa	attaatatgt	480
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<210> 1523

<211> 117

<212> DNA

<213> Mus musculus

<400> 1523

ctgagaactt	taaaggtgga	gagggaggag	acagtagcta	angatccagg	actacaaagc	60
tggctattca	tcattcctga	cagagaaatt	taaagaagag	aaacaaacaa	acaaaaa	117

<210> 1524

<211> 247

<212> DNA

<213> Mus musculus

<400> 1524

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anctgagggc	ttngcttgnt	ccctcacacc	tagaggggac	ngactgcnag	atggagctga	120
ctcncttanc	tcgcaaggct	cnanngcgca	gtggnttgtc	aaaccttcca	ctttcnaga	180
anggggaaga	aagggatctg	tgtgcggaaa	ataggaaaca	ngctcttagn	naagggaaac	240
ttgcacc						247

<210> 1525
 <211> 201
 <212> DNA
 <213> Mus musculus

<400> 1525		
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ccgaacacac	gagtattgcg	agtctctccc
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ctggaaacct	gtgggcagtg	c

<210> 1526
 <211> 309
 <212> DNA
 <213> Mus musculus

<400> 1526		
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gcccggntct	ttgcnagctg	ngatgaaaat
gggacctgtt	taacnacacc	ttcccannga
ttttcctta		

<210> 1527
 <211> 201
 <212> DNA
 <213> Mus musculus

<400> 1527		
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tgacctgtgg	ttcctagctg	gaggaaatcc
acttgatctc	tgaactctgg	a

<210> 1528
 <211> 146
 <212> DNA
 <213> Mus musculus

<400> 1528		
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tgtacttgga	aagatcaaaa	aaaaaaa

<210> 1529
 <211> 111
 <212> DNA
 <213> Mus musculus

<400> 1529		
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	cacagncana	gttaggaaga
	nnngaaagaa	

gctgttacac gaagtataaa ccgcggggcga caccacagcg aaaaaaaaaa a 111

<210> 1530
<211> 206
<212> DNA
<213> Mus musculus

<400> 1530
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ggncggncag gaaaaantgn aaacaaanta aggccagggg ngggcncctt gagaaacctc 120
attttgggaa agtgaaatac tttgnnaatt aacatgcann tggttcaata aagacttttg 180
gaaagtgtcc ccccaaaaaa aaaaaa 206

<210> 1531
<211> 190
<212> DNA
<213> Mus musculus

<400> 1531
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gacgnatgac tanctgttta tgatgagatg cagnaaaaga gggcagnaaa caacccccggg 180
ctgcttcceg 190

<210> 1532
<211> 292
<212> DNA
<213> Mus musculus

<400> 1532
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gacaacgtcg ccccgccga tttggctgcc atggngngnc gggactcgac ttggcacagt 180
gatgcactac ncntncctnt gaatgactnc ttgctnaagc ctgnatgngg acttencatn 240
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<210> 1533
<211> 412
<212> DNA
<213> Mus musculus

<400> 1533
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taagccgcnn gtcctccgca cacttatana aagtngnacn gggccatgtc cgaataacca 360
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<210> 1534
<211> 122
<212> DNA
<213> Mus musculus

<400> 1534
tgccggagag ataccgacga ggaacgaaga ctgnttccat tctcatcccc atgnttagct 60
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aa

122

<210> 1535
<211> 527
<212> DNA
<213> Mus musculus

<400> 1535

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<210> 1536
<211> 378
<212> DNA
<213> Mus musculus

<400> 1536

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caaactgtnt	aagattnttc	aagggtgnngt	tgannctcct	nacatncgaa	tgngctggnc	180
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<210> 1537
<211> 374
<212> DNA
<213> Mus musculus

<400> 1537

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ananccata	actaatcgtc	cacccantcc	ttgacagttc	caatgctgtt	nangaggaag	240
gngaaatnnc	tccccaagct	tgcacnccct	tntgcntnnn	anctnnacta	agganggata	300
accttattct	caacaatgnc	aggggcattt	ttggaatcaa	ccaaagccag	ggacatccct	360
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<210> 1538
<211> 176
<212> DNA
<213> Mus musculus

<400> 1538

acacctctac	caaactcaaa	taannaaacc	ttcatcanct	tnactgnatt	tacaatgtcc	60
tgggatatgc	aattntaatc	acatccataa	nactttttcc	acaaattaat	tnaanatgna	120
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<210> 1539
<211> 471

<212> DNA
<213> Mus musculus

<400> 1539
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gggggggnnt tcggnctang aacacnatgg agaaatactt taaggagtgg agactggaag 120
ccgatactg atgctgtcac agacgtctgc tgagttccgt acagcaggcg gcgataatga 180
aatctaaatt gatgtgaggt acngnccatg agaggnacag cctcangact gcgctcctcc 240
ctcgctttga acagtgtac acccaagggt ctgggtgcct tcagaccccc cagtgtaccac 300
tgagaggagc tcttcccagt ccctttcact ctgaatctcg tncctatggg ttaacgggtca 360
tctgccggca accatggata ccagacacca agcattatct atgtagtaat gaaacaaacc 420
ttttatatna tatgtattct taaataaaat ttaatataga acttaaaaaa a 471

<210> 1540
<211> 448
<212> DNA
<213> Mus musculus

<400> 1540
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gctacagatn gggntctctc acattgtcca gacattttca cagtcttggt tagcttcttc 120
agtagctgag agtaagattt atgacattca aaaccacaga ctttacaata ctgctaagtc 180
agatcaacta tgaattggaa tacaaaacaa gagaatgttc ccaaaccccc accatattct 240
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ttcaactatt ctccccataa ccaagaagca tctcaaactt ctttcaaacta ttctctccat 360
aaccaagaag catgcatgta ttctgggaat tcaaattcag tttcacagcc acttctgagc 420
ggcgaaaatt atataactcc tcgactc 448

<210> 1541
<211> 485
<212> DNA
<213> Mus musculus

<400> 1541
gaactgagag atcctgtnta tttcgacgat aattggctaa acagcaatca aaactgaagt 60
aggagacaat tggagggttaa agatcagcaa tttaaagaaa attttaaaag gcatcttgga 120
ttacaatcat gagattttag gacagcagat taatgatttc acccttctctg acgtgaacct 180
cattggggag cattcggtatg cagcagagct cggaaggatg ctgcagctca ttctaggctg 240
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tgttcagcat gtgctcatga cagccattca agaggatgt tgattagagc ttgtcactta 360
acagcttgta acaaattagt ggagaaaact agttctcaca agagaaatgg caaccttaaa 420
aaattatttt attgtctata cctatatcct aattaagttt ttaagttcac tgtgaaaaaa 480
aaaaa 485

<210> 1542
<211> 155
<212> DNA
<213> Mus musculus

<400> 1542
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gagtcnagc ccnaagattg atgagtttgc cttgggagtc angagaaaag gtgaaataag 120
aggccacnt ggtcaagaa ggtcaaaaaa aaaaa 155

<210> 1543
<211> 368
<212> DNA
<213> Mus musculus

<400> 1543
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aaaactggga agcatgtaaa aacaaagcag ttgcttggtt ctaaatacca gaatgcaatt 180
ctttcaagca tctagatgga gcccatgagc tccaagcaga gcagtaaatg acacaacctc 240
ggggttcgac gtgtgataag gtatcctgta actactcttt gtaccgctgg gatctacctt 300
gcttcactgg atgacatgca gccttttctc ttagcaaccg catgaataaa catccaagag 360
aaaaaaaa 368

<210> 1544
<211> 147
<212> DNA
<213> Mus musculus

<400> 1544
ctgagttgga acatctggaa gcaacgggtg gcccanttca gagcaagcac tanaatagga 60
nagaantagg aanggaacnaa naaggaacct gatcncaatt aaggaagctg ctgtttctgt 120
acaanaagan tctgatcttg aaaaacc 147

<210> 1545
<211> 231
<212> DNA
<213> Mus musculus

<400> 1545
ggaatcgaac gcccgaagac tottttnagga atggatttct tagnatggcc aacgtggant 60
tganttcnt ggcccggtt cccagcttga attnactong gaagttggaa cttctgactn 120
tatntttctg gaggttggga antcctggna cacaaatntc ccaatcttng ctacctcaat 180
ctgantggaa acnatatata anatctcatc tncagtacta agcgtgcgt a 231

<210> 1546
<211> 243
<212> DNA
<213> Mus musculus

<400> 1546
aaatggttaa gcagcgctgg cagagtggcg gcggtcagaa ggcttgctt cggaatgcan 60
atctgttacg gactagggan ccaggccctt gagcttgctc ttggaactcc atctcttctt 120
ccttccctcg gcttaccag gctgttttga tntttcagtg cantgttgaa tgtctcattg 180
ttttgctgtc ctgctattta acacaatgtg tttttttttt ttatttttat aactaaaaaa 240
aaa 243

<210> 1547
<211> 205
<212> DNA
<213> Mus musculus

<400> 1547
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cttctgtggg cccannagg aancatctgg agaaagaaaa tccggagacc ttgggaaaca 120
tgtnanatnt ctggaatgna cacacctggg atntancact cttgctatct gtccggctct 180
ttttgttcaa taaagtccta aggca 205

<210> 1548
<211> 499
<212> DNA
<213> Mus musculus

<400> 1548
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aggggacagc agcctgaact tancctgat gctgggctgt gtgaagtggc taatatgcag 180
caggcacacc aaggtctacc tctgtggaa aagtggctga ggctctctct cantacctct 240
ttccctgggtg cctctcactc ggaccctccc agggccgcac acaccctcca gctgtttcat 300
cactttgctc aggaacctca gctgcctttg aacgttatcc ctaaaaatca ccanccttcc 360
acatgacatt cacagntagg tgccagtcac ttctaacccc agggacccta ttntgggggg 420
ntngcttant gtctntggcc agnnatgncc atngntggga accatgctga aggnnagngg 480
ggggtggggg aattagggc 499

<210> 1549
<211> 259
<212> DNA
<213> Mus musculus

<400> 1549
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cntngccnnt gtcntaaac ngtaggggtg tggggagnct aangtgacaa ctgacccctgc 120
ttccctttcn ggaagccang gtccctgcag aagaaaatct tgtgttgat ctncctgtccc 180
atatccgcgn gagtaacatt agnanaagna cngggacngt gtcccatgcc tgcggtccta 240
acacttgaga ggtggagga 259

<210> 1550
<211> 301
<212> DNA
<213> Mus musculus

<400> 1550
cctgggatag ggtattgact ctgtaanaaa ggcactaatg gttacttcca cttccgggtg 60
cgctctgtct tccactcata ggtaaagggc ctagtataag ccgnaagna tccagggcac 120
atcgggtgggt atgctgtaca gtgtgtgggg tactgcccac cttttccacg taagnagtaa 180
acacacaaaa gaacttctgg tgggtgttcg gctcggctgc ttcttgntgc ttcagcggac 240
ttgtgcgatt ggacagagcc tottggttct ttctggatcg agccactgct gctgagtttg 300
t 301

<210> 1551
<211> 229
<212> DNA
<213> Mus musculus

<400> 1551
tatcattacc ggatccatct atttgaatac tacagcttcc ttaaaaattg canaaagggg 60
tctggaana tnaactggcc cccaagcact ggctactctt ctaaaggacc caggttcgat 120
accattact cacntggaan ctcacatttn tctgttactc cgttctaaat ctgaattcct 180
ctctgacctc tttgggcact gcacacacnt ggacaaaaca cctaaatgc 229

<210> 1552
<211> 149
<212> DNA
<213> Mus musculus

<400> 1552
ctggaagaca accgggattg gtatgacaat cgccatccgc cagagatcct cccacccct 60
gaanccagt accttatnac atgcatcaca gatccngcc ctgactgaca agttccaatt 120
tgagctcacc ttgtaggaag aggattgaa 149

<210> 1553

<211> 114
 <212> DNA
 <213> Mus musculus

<400> 1553
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 agattttccg ggaggttcag ataatgaaga tgctttgccca tccacacatc atca 114

<210> 1554
 <211> 223
 <212> DNA
 <213> Mus musculus

<400> 1554
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 tccggctacc atgctttgnt ntcagaataa gancgacgac ccanaatnct nctttccctt 120
 ttgaatttac taaagtgnat ttttctatga aaagaacntt gaaagacaan aangaaacgg 180
 annngtacna ntcgctacga anatcttaag ccatgaatga gtg 223

<210> 1555
 <211> 178
 <212> DNA
 <213> Mus musculus

<400> 1555
 actgaggcag gagganggcg agntncaggc cagacaaggc tacatagcag gaccttgcct 60
 caacaaaagt gaaaaccaca tttctgaagc ccttgaagct gagcgtccct catcctgtaa 120
 agtattccca gtcaggcacc gctgctgtca atcaagaatt gaaactgaaa aaaaaaaa 178

<210> 1556
 <211> 319
 <212> DNA
 <213> Mus musculus

<400> 1556
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 taaatacagt gtgtcatgac tccaagtaga gaaggagaag cccatggaag ccaatctgca 120
 atttgggtgaa ctctcttaga aacacagttc tttcaggcag ccgaaggatt atctaattac 180
 ccaaacaaca gagacttctc tctggtccct gaaggaaact cattgggtta aagggtggtcg 240
 gtcattggcc tctctggtct tttgggaaca aaattgtttg ggaaataaag ttgagttgat 300
 gtcattttta aaaaaaaaaa 319

<210> 1557
 <211> 146
 <212> DNA
 <213> Mus musculus

<400> 1557
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 aaggaaagat actaactcag tatctcagtc tgcttgagc tcccgctgg ctcacagttc 120
 aagaacataa aggcaaaatt ctaaaa 146

<210> 1558
 <211> 195
 <212> DNA
 <213> Mus musculus

<400> 1558

tgacgggaag	ccccagcatc	aagtgtctgc	cgccacttct	gctgcctget	gcctgctgcc	60
atgcttcccc	gccaggatag	actctgacct	gcaggaatta	tcagcccca	aacaaacctt	120
ttcttctata	agtcaccttg	ttcatgtgtt	tatgacaatg	ccggaaaggt	aataaatacc	180
tcagaaaaaa	caaaa					195

<210> 1559
 <211> 319
 <212> DNA
 <213> Mus musculus

<400> 1559						
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tctgggagct	gatgagaact	ggacccgagg	agcatcagag	ctggaggagg	ccccaccag	120
agtcactcag	acctcgatcc	tgagcccaac	cggagctcct	caactggatc	gcagcctcca	180
tgtgagacgt	gaggtgtgga	ggccagagca	cgctggggcc	gcagacgagt	ttggacagat	240
ttgagtttgg	ttctcccaac	cccccaatat	cgtgtcatca	tcattgattt	actgcatttg	300
tgagctcaca	aaaaaaaa					319

<210> 1560
 <211> 184
 <212> DNA
 <213> Mus musculus

<400> 1560						
gcacctcgac	actgaagaac	aacctgctgg	tcagatcaa	aagtcaatat	atgacaataa	60
aactacagga	acaagggctg	gagagtagcc	cagccttcaa	tcccagcact	tgaggaggag	120
gnaagttgat	ctngagntc	aaagccaacc	nggtcttnat	aggggccgaa	ctaccccca	180
atta						184

<210> 1561
 <211> 386
 <212> DNA
 <213> Mus musculus

<400> 1561						
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cagcgctaga	ccgcagctt	cctcggcagg	cttctcagcg	ccagcgccgc	agtgccgcca	120
ccaacgctgt	gcaccgctgc	tgtcttactg	gctgcaccca	gcaagacctg	ttgggtctgt	180
gtccccactg	aaggagcaca	gggctcaggc	ggtgogtcct	taattgctcc	ccacctcctg	240
gctatgtcat	tgcaacaacc	cagtttgctt	tggaggatcc	ctagtttatt	catagatcgc	300
agtaagcaag	gaccacaggc	cctgtcccca	agaagcccca	tcatgacctg	tgcccacctc	360
ctccctgtgt	cccaaacagt	ctaaat				386

<210> 1562
 <211> 148
 <212> DNA
 <213> Mus musculus

<400> 1562						
tcagggggca	cagagactca	accagtacna	aagaatncan	aggtgatggn	cntgtntccc	60
tcnagagaag	atgactacat	tataaaactcc	cttttcaacc	ccaacacca	ctatatattt	120
ttaatatata	gaaaaaaaa	ctaaaaaa				148

<210> 1563
 <211> 300
 <212> DNA
 <213> Mus musculus

<400> 1563
gacctgaaaa gcttcctttc ttcaggcgcc agaggatcaa gagaatgcag catcccaagc 60
ctcctcctgc tgggtgctctg cctcctcctg caggggtgtg ctggttaagg ctgaggctcc 120
taagtgcgat gatagactct cctcctgagc tgtcaccctt gattacacca cagtgtgcc 180
gcaagaaagc tgggtggtgg gcatctgact tgggtgtgtg tcctgtaaat aacagattca 240
ctggaatatg ctggattctc atgctgtaca ataaagaggc ttaatggtga aaaaaaaaaa 300

<210> 1564
<211> 269
<212> DNA
<213> Mus musculus

<400> 1564
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accaggagga acacaagcag aagttctcag ctgtacctct catgaggaag tgaagatcag 120
cgaagagtgg atactaacia gcattgctca gccggctatc ccagcaagca agctcagcct 180
ctgttattgt ctgttgagtc ctttgagttt tttggtgtat ttctctctat ggagtcctga 240
caaatgtagc ccaactacaa aatataagg 269

<210> 1565
<211> 312
<212> DNA
<213> Mus musculus

<400> 1565
cccttgctca ggatgnttga ccgcagcacc aggagagtaa aggacagcan ggaaagtgc 60
taatcctgca cagaacccag gaccagatc tcccgggctc agcatctctt cctgtcagtt 120
ctgaacggnc tcagtcaaga gcagaactct aggcagtgtc ccatggaaga atccatcaca 180
tttcagccaa agcatcgaga tttgtcttct ttttctatca agctttctc aggtatttct 240
gtgtgggcaa ttaatttctt taccatcctt caataaata ctaacaataa agatgatcaa 300
aaagtgaag ta 312

<210> 1566
<211> 362
<212> DNA
<213> Mus musculus

<400> 1566
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ccttgctntn tnncccttna anctacacac cgactttgga tgnnncttct gagacatcnt 120
cgtgaggaca cctgagtntt gntccttnt ggttntgna atggtcattg aacntantgc 180
tggncantga caagcatgca gncctgatcc tctgtggact catngntatt ggcagnctga 240
caggatgtgg aatcacccat gagacacatt atcagggtgtg cctgtgaaac acgtnnccca 300
agagattacc tgtgacagga attcccagct ggaatggtgg gtggcaccgg ttggccctgg 360
ga 362

<210> 1567
<211> 314
<212> DNA
<213> Mus musculus

<400> 1567
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taagaggacg cctgtccagg acccngtgtt canatgtcct ttgccataat gttaaccttg 120
gaacagcctt gccgtgtggag aagccggcct gaccatgatg ccaagttcca gatctttttg 180
tgccaggaca ggtggggagg gggttttacc agtgttctta actatactgt gattttttatt 240
attgccatgt ccagctttta agtggggttt taacggtttt ataataaata aaagtttccag 300
gcagaaaaaa aaaa 314

<210> 1568
 <211> 226
 <212> DNA
 <213> Mus musculus

<400> 1568
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 tagctcccc aaaccatctc tactcaccoc aggacttccc tccccagcaa cctttgcctt 120
 gtccactcct aataccagtt tgcttccaac acgttcccc gagctttcag gcagcccaac 180
 acccacctcc cctgaagggc taacctctgc ctctctatg ctatca 226

<210> 1569
 <211> 209
 <212> DNA
 <213> Mus musculus

<400> 1569
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 ttcggttttc cctgggaatc cagagtgtac agcctccgaa gaaccaatgc tatgcaacag 120
 gcagttcaca gtcgagttaa catcaatgtg gaatgagtgagg aggcatttca atgcaataa 180
 atgctgaata tgaaggatta aaaaaaaaaa 209

<210> 1570
 <211> 365
 <212> DNA
 <213> Mus musculus

<400> 1570
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 gatccgcgaa tgcgcctccc tccagttccc tgatttcttc gcccggtgt ccatgtatgt 120
 ggactggatt caaaacgtgc tgcggggcgc anagccctga ggtgcccttc tgcgctccag 180
 gcagcctaaa gctggggcga ccagcaggct ctagtgggaa aaaaatggag tggggtggac 240
 tagaccttcc caggcttttc tttcaccac gcacccaccc acgcagcacc cctgggagt 300
 gagtgcagtc tgttccctat tccatattgac ctcaataaaa actgagacat atttaaaaaa 360
 aaaaa 365

<210> 1571
 <211> 237
 <212> DNA
 <213> Mus musculus

<400> 1571
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 cgattatgga ctgcnttcag naatacantg ctttgacct tctngtgat attanaaaag 120
 tttgnntgn tcgnncnnta cngatnanaa atacttgtag ttcccccttt gcttgtgcat 180
 ttaagccttg agcctttctc aatacagcgg gaccttcttg ccactcaaaa aaaaaa 237

<210> 1572
 <211> 152
 <212> DNA
 <213> Mus musculus

<400> 1572
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 tgacctcccc tctccccctc cctctctctt cccctctcca gtagtcactc cagagacacc 120
 caaataaaaa aatttaaagt taaaaaaaaa aa 152

<210> 1573

<211> 364
 <212> DNA
 <213> Mus musculus

<400> 1573
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 ctctctcttc tctactatgg acagagaata cactgaggag cctgctacac acccagctga 120
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 gtccctttcc ttgectgact tgatgtcctt ccagccacag aagcacacac tgggacctgg 360
 caca 364

<210> 1574
 <211> 350
 <212> DNA
 <213> Mus musculus

<400> 1574
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 ccaaggacag ctactgagga catttgcctg cttttgaagc tgcacaccgt ttctgaattc 120
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 tcgtcttctt gagaagattt ataaccaga aaagccacgc catgatttct gcttccaaaa 240
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 gcaatctaca aattcccaga gtgtctgnga ctttgtaggc accggggccg 350

<210> 1575
 <211> 127
 <212> DNA
 <213> Mus musculus

<400> 1575
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 gggcagctga ttcttatctg tacatgggac agggcggggg ggcagggggg ggggagttaa 120
 taataga 127

<210> 1576
 <211> 193
 <212> DNA
 <213> Mus musculus

<400> 1576
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 ccacatgtat ggggtcacaa ccacctgnga ataagcatct gcacgccctn ttctggtgca 120
 tctgtaagga cagctacaga tgntacttat ttataataat aaataaatct tttttttttt 180
 ttaaaaaaaaa aaa 193

<210> 1577
 <211> 185
 <212> DNA
 <213> Mus musculus

<400> 1577
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 gtgtttgctt cctgtctcc acagtatgcg atccaggacc tggaagtatc acaaacgaga 120
 accaatcatc ctgtttacat tttggactgt aaataaagga atttttttta atgcaaaaaa 180
 aaaaa 185

<210> 1578
 <211> 186
 <212> DNA
 <213> Mus musculus

<400> 1578
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 aaaggcattt ttctttctcca aaactcattt ctcaagtcaa actataatga gacagcaagc 120
 tgtcaccagc agaagagact atgtatgacc tctattaaca aaggtgaatt aactgaaaaa 180
 aaaaaa 186

<210> 1579
 <211> 220
 <212> DNA
 <213> Mus musculus

<400> 1579
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 ctggctgtgc tgtgtgcctt caggaagagc acttgacagt gcttaaaact cccgccaatc 180
 cactgttgca taaataaaaag tggggccaaa cagaaaaaaa 220

<210> 1580
 <211> 445
 <212> DNA
 <213> Mus musculus

<400> 1580
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 taccaaataga agaggggaca gaactccagc ccattgtgag atagggacca agagaacttt 120
 gactacctgt gacaccgaga caaagtctac agctgttttc acgtgaacta gagcacggaa 180
 gatgttaaaa ctatgtctat atgcatcaat ttaaaaggca caatattggc tgggcacagg 240
 gacacacatc tgtaattcaa aactggaaga ggctataagg ctagcctgag ctacatactc 300
 agatgttaaa tgctagcctg aatgctacat agagacctca tataaaca aaacaaata 360
 aggttggctc actggataaa ggtgccagtt gccaacccga ggaactgaat accccaggac 420
 ccacatggta aaaggagaga atcag 445

<210> 1581
 <211> 382
 <212> DNA
 <213> Mus musculus

<400> 1581
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 tgtgctggaa aaagtagggg ttgaggccaa acagccaaat tctgccatca ggaagtgcgt 180
 caggggtgcan ctcatthaaga acgggaagaa gatcacagcg ttcgtgcca atgatggctg 240
 cctgaacttc attgaggaaa atgatgaagt tctggttgct ggatttggtc gaaaaggta 300
 tgctgtangt gatattcctg gagtcnngct ttaagggtgt taaagtagcc catgtntctc 360
 tgttggctct atacaaatgg gt 382

<210> 1582
 <211> 541
 <212> DNA
 <213> Mus musculus

<400> 1582
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ccatgctagc	tgccagtcct	aggttgggac	attccactgg	ggacatccat	gggagagcta	120
tgccatttaa	caagtcctga	gccctgacct	gaagccatca	gtggccctagc	tgctctacct	180
gactttgtgg	cctcccttcc	tgcatctctc	gcttacgaca	accgacaaca	aagatgtttg	240
actccagaag	atgctccccg	cggccccacct	gagaggactg	tccacacccc	accccactgc	300
gccctgtgcc	atctacctct	gagtcctcaa	cttctcacc	atgtttcaac	tcccaccca	360
gagccttgta	ttccagatct	gagcagccct	tgcttaggaa	cctgaggtgg	ggggtgggta	420
ggcagaccca	ggggactgag	cagggagggg	aaggagggtt	ttctgctctt	ggctttcaaa	480
gttctcaatg	tgtgtagccc	tttgaataat	aaacatatgt	catataatgt	aaaaaaaaa	540
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<210> 1583
 <211> 390
 <212> DNA
 <213> Mus musculus

<400> 1583						
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cgactacgtg	cgggagttta	agagaagcac	gggcacctgg	caccacacaa	agccactcct	180
gccatctgac	cttcggcgca	caggctgtgc	agcctgtgcg	atagccaact	gcaagctctt	240
ccgctgcag	ctgcaacaag	gcttggtccg	catccgggtc	cattcccctt	gaagaggaag	300
angagccaaa	agtgagatcc	tgcccaagcg	catcccggtg	ctggcggcgg	caagtgcagt	360
gaagcagccc	catctcgctg	tgcgctgggg				390

<210> 1584
 <211> 106
 <212> DNA
 <213> Mus musculus

<400> 1584						
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<210> 1585
 <211> 137
 <212> DNA
 <213> Mus musculus

<400> 1585						
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ttactttgac	cctgaaa					137

<210> 1586
 <211> 385
 <212> DNA
 <213> Mus musculus

<400> 1586						
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gggaccctag	tccggctccg	cttcactatg	gtggccctga	tcactgtctg	ctgtccactt	120
gtcgcttct	tcttctgcat	cctgtggnc	ctgctctttc	acttcaagga	gacaacatct	180
acacactgtg	gggtanggc	tgngggcac	tgncggatca	tcntgacaga	ngagncancn	240
ctcatggnet	actggnggg	ggcgggctat	tngtaaancn	agggtcang	annnangtnc	300
cttttacctt	ctatganana	tatanggcct	gnnntacta	aagctgggca	aaccccnana	360
ctnagaacct	tgccagcta	taaaa				385

<210> 1587

<211> 251
 <212> DNA
 <213> Mus musculus

<400> 1587
 agactgagag caccgaagta ccatttcact tccagactgt acctcgttac tcgacaggat 60
 ggaaatcaca acttcatoca ctggggctgg aaagcaggcc aagggattac ccccgagcag 120
 agaggggggag agaagcaagt aagaggtgca cagcccgcaa tccccgtact tgggagatgc 180
 atgcagaagg agctcatgtt ccaagccagg atacgacaca gagatcgtga gatgccagga 240
 cttggaaggt g 251

<210> 1588
 <211> 445
 <212> DNA
 <213> Mus musculus

<400> 1588
 tggctcctac ctcatcactg gctgggtttac ctttatacctg nctatggatg cctgctacag 60
 tatccacgtc tacgggatga taaatgaaac ctactgcaag acagaagggt atatgaaaag 120
 tccccatatca ctactatgaa caagggaaaag atgagtgtaa cgaatatctt ctccatgaac 180
 atgccccgta tgggggacac aggttcatca ccgagaagaa agtggtttgcc aagtgggcca 240
 agaagcacag aatagtattc acacacccga actggacgct gtccctgatgc cgtganatnc 300
 cacnantntg nngngngntg tggngaaaaa angctgatgg tgctgaccgg tgtagcanga 360
 tgntcaaggg gtgaccatgg ccctggacat tctntggngg nggatctgac tctgttagna 420
 nttgaacttg gcgttccttg ggaat 445

<210> 1589
 <211> 310
 <212> DNA
 <213> Mus musculus

<400> 1589
 gactgagggg aaaccgcccc tcatgactca acagcagatg tctgctcttt cccgggaagg 60
 gatgctagac gccctcttcg ctctctttga agagtgcagc caaccgcgcc tgatgaagat 120
 gaagcacgtg agcagctttg tccagaagtg gagaccgcc aactgtgatc ataccatttc 180
 cggaaggagg gcccgccac cagcattgta ccttttctg tggggagacc tgcccactat 240
 ggttgogtca cttcctggcc taggatcctg gaccaataaa aaggagaaaa ttcactgtta 300
 aaaaaaaaaa 310

<210> 1590
 <211> 422
 <212> DNA
 <213> Mus musculus

<400> 1590
 agaggagatc taaccttnac tntgaaactg tggctttttg cctgcctggn tgctgtttt 60
 gttggggcct ggatgccggg tgtncatgcc caangcgcct ttgaaaactg ctgcctgggt 120
 taccaccaca ngatcaaatg gaatgttctc cggcatgcta ngaattatca ccagcaggaa 180
 gtgagtggaa gctgcaacct acgtgctgtg agattctact tccgccagaa agtantgtgt 240
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 ctnnnnncant ggaaaanagn cncanacttt cagactgana ggaaagaagt cnaaccatat 360
 gaaagtccaa ggggggagaa cccaacaaga cangngtgaa ggangccccc ctaagttatt 420
 cc 422

<210> 1591
 <211> 278
 <212> DNA
 <213> Mus musculus

<400> 1591
agactgagga cccagntgat ggtctgctgt tgccccattc anaaatgtct gccatcctca 60
agttaaacct ctctggcanc accctcccag gcatgcccag aggtgtcttc tacctgactc 120
tagatccagt caagatgcca atgtgggtta accgtcattt catggtgctg tgatggagcc 180
aggagatgac aattggaggg aagcaattgt tggtgccatg ctcttgaacc tccaaaatgg 240
ttaaataaac tcgggggttc tttttttaa aaaaaaaa 278

<210> 1592
<211> 128
<212> DNA
<213> Mus musculus

<400> 1592
tcacagactg agtttgacag gttnaaagca cnagaagaan aatactancc aangngcccc 60
agacgggatc gngactccan tgacngccat aagatnccct aaagctaagg cactgcagaa 120
aaaaaaaa 128

<210> 1593
<211> 254
<212> DNA
<213> Mus musculus

<400> 1593
ggccaaatac tacacaangg gggactgggg acaccgcccc ccctttacat catgaaactg 60
ccgatgttac tggctnatgc ntggnggaca ccagcataca aagtcttgac accaacacct 120
canagggctg tgtttctgtc ccgtgaccat catctagtgc ctggaaagac tagtgacaag 180
aacttgttgc caacttccta ttacctccct aacagntggg caataaacc catagggtta 240
ttcaaaaaaaaa aaaa 254

<210> 1594
<211> 109
<212> DNA
<213> Mus musculus

<400> 1594
cgaagtctcg atcactagac gggagatgct gncaagtgcc ccagacggga tcaagactcc 60
aatgacaacc ataagattcc ctaangctaa gacactgcaa aaaaaaaaaa 109

<210> 1595
<211> 239
<212> DNA
<213> Mus musculus

<400> 1595
ggtttactga ccagtacttg aattgctctc cctggctggg ggtaacctct gcccttgag 60
ccttcccttg ttccataaat gccaacctct cangttagac ccagccctgg agctcatggg 120
gtgccttggc cctgccttgc acacctgctt ctctccatgc atccaggtct atcgacctga 180
agctgcaagc tggcccaaaa aggacaataa aacctgccac ttttgcatga aaaaaaaaaa 239

<210> 1596
<211> 366
<212> DNA
<213> Mus musculus

<400> 1596
cacggctgtg gtgacccaac agctgntgta taacccatcc gggagacccc gagggccaag 60
ccctgtctgt ttagcacctg canatcgnga aggttcgcan aggcathatg gctcacagct 120
tggaggacct cctgaacaag ggccaggng tctnaacagg aaagntcttg ggnacccnat 180

ccctnnnnntc	tggccacanc	ccgcgggaca	ccactattgt	tnttgtgnaa	aataataact	240
gnatagctnt	tnntgaggcc	ctnatnaatn	atcatccaan	tgnantacca	taggaaaggn	300
gatttgattg	ngaccancta	tttgganacg	ccctatcang	ttttattaag	ttagaccatt	360
tgacct						366

<210> 1597
 <211> 138
 <212> DNA
 <213> Mus musculus

<400> 1597	
aactgaggca	ttaaagacct
cttaccttag	tcattttccgt
catctgaaag	aaaaaaaa
	60
	120
	138

<210> 1598
 <211> 427
 <212> DNA
 <213> Mus musculus

<400> 1598	
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ggaatgacta	tnataggatt
agaacacacc	ttaagggaga
ctctcttggc	aacttttctc
tgnctaactcg	tccttgagag
cctnatccca	atcttaccat
ctgacntaac	ctttngggtn
acctata	
	60
	120
	180
	240
	300
	360
	420
	427

<210> 1599
 <211> 153
 <212> DNA
 <213> Mus musculus

<400> 1599	
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ngaaanaatc	cttnatcacg
ttgtatctgc	ttcagctaaa
	60
	120
	153

<210> 1600
 <211> 496
 <212> DNA
 <213> Mus musculus

<400> 1600	
ctgagggttat	ggagacaaaag
aaatgtttga	ttatctgact
tctggcagat	tctgtcagcc
tcaagacgga	gaacctgctc
ttgggaattt	ctacaagcca
cagccctga	agtcttcgag
tgggtgnggn	gcttgtagct
gcctacgctg	agacagcggg
agactgtgaa	aatcat
	60
	120
	180
	240
	300
	360
	420
	480
	496

<210> 1601
 <211> 409

<212> DNA
<213> Mus musculus

<400> 1601
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caagaataaa atatgatccc ggagggatag atttaggctc tactcagttt tcgtcccatc 120
agaaagcctt tttgagctaa ggagaagaga gttatggctg gtgtctcccc tgctgtcctt 180
ggatgcccag angtcacctt ggaaaggaac acggcantcc atgaagtcca agaaaatatn 240
acatttaggg gacagtttaa cactggcctc cagcaacact gacttttgcc ttcagcctct 300
tacaggaac ctggttttta anaatccaga tgaaaatgtt gncttctccc cattcagcat 360
ctttcactgc cttggccctt ccttgntccc ttggggagca aaagagcca 409

<210> 1602
<211> 220
<212> DNA
<213> Mus musculus

<400> 1602
ggctggcctt tctaagcagt taggagcnac gtcattgcatt ttttctaaat ngggccngtt 60
ttccagtgnc ancagcacag ccttgctngt acaanaaaag cggntggctc ctgcttcctg 120
gacactgctt gaagttccac tctgacttt ccttttgngg aaggaacann aattccgtgn 180
gaatgtngta aagcttgaaa taaacccttt tttctcccc 220

<210> 1603
<211> 165
<212> DNA
<213> Mus musculus

<400> 1603
gaacggggag aaaatggttt cctggcttcc ctgtcagttc aagaacatcc ctgcctcaga 60
gcctttgaag ntacaggata gctaanaact cttgtagtga accatggctg cttctgttnc 120
cttnagaact ctgcttacat attaaagatt ctttggaacc ttttaa 165

<210> 1604
<211> 172
<212> DNA
<213> Mus musculus

<400> 1604
actgaggtga ggaaaccgag gctgaacaaa ggttattgtt gagaaatcac acaggcagtg 60
aatggtagaa tggactgaga ctggagcccc agtggtgact cagccattga cagcaagcc 120
tgcttatact gtctcacttt taaaatcat gaataaaaat aagaaatgaa ta 172

<210> 1605
<211> 146
<212> DNA
<213> Mus musculus

<400> 1605
gggagagggg gaggaagaag gtggtgctag tgggagggtg ggacatcagt ggggaaccag 60
tgaccaagca gttaactgtt cctgaggctc aaacaggctc caagtaaaaa tttatacctg 120
aataaaagat ttcagaagaa agaaaa 146

<210> 1606
<211> 448
<212> DNA
<213> Mus musculus

<400> 1606
 agcctgaggt gttcggctat gacangatga agctggatgt ctccttccca gacgctggct 60
 gccagcaact cctggagcat gaatgcaagc tatgtacttt ccaggagagg cgaatgggca 120
 cacaagtagc tgctgaccct ctggtgaata gtcaaaggga tacatgggtcc gaaccagcga 180
 tgggaacagc aaacaaggct ttcccttga aggtcccagc aaggtgtctg gacccacggc 240
 caagtgcacc tgctgttggt accaaggaaa gctggagaga ggcaggctga gtctgtctgc 300
 aggacgtta ccggatgcca gtctgagtcc tcaactcggg tatcatgagc caaggagaaa 360
 aggagattcc tggactgaca gatactcctg ggcccaaaag aactgcanga atnggaaaagc 420
 ttttcagtct ttccaaaaga aagctgat 448

<210> 1607
 <211> 155
 <212> DNA
 <213> Mus musculus

<400> 1607
 tgtgccatag aggatgctgg tggatcatggt ntccaccag aaagaagccc tgctgttggt 60
 angttctgat ggtggaagag gataggactg acctggggct gacatctgtc tccccccagc 120
 ttacattaaa ggatatgcaa cctgaaaaaa aaaaa 155

<210> 1608
 <211> 126
 <212> DNA
 <213> Mus musculus

<400> 1608
 ccgatgccag gatggcaagt ncntctcccc gcagtttgtg tgtgatggan accgagattg 60
 cctagatggc totgatgagg cccactgcca ggccaccact tgtggccccg cccactttcg 120
 ctgcaa 126

<210> 1609
 <211> 228
 <212> DNA
 <213> Mus musculus

<400> 1609
 ggtgctgggt acattttgtg ggagcgctgg cttttacctg gttactacc caaatctgtc 60
 cttgggaana atgctcaaga agatccaatt tcatcgctgc agtcagtga caggccacgg 120
 gaaacacagt cctcttatcc atacaaaaaa gacctccctc ttgctctatt ttgactactg 180
 ctaaccccca aataaatata atctggaaaag taaatgcaaa aaaaaaaa 228

<210> 1610
 <211> 111
 <212> DNA
 <213> Mus musculus

<400> 1610
 gcaggctggg tgcagggtc caaggatgaa tngnngggaa tggactttcc cccctttttt 60
 cccccctntt ttctaaagcg tgtctgccat taaaaatttg aaccttgagg a 111

<210> 1611
 <211> 239
 <212> DNA
 <213> Mus musculus

<400> 1611
 tccaataaga agaagttgag ccaggaaagt gctttcnttc aaagagtaaa ttaaaagaag 60
 acaccgtgag gctcagataa acaaggcggt cgtgtcctga agaagtcaca gaaacagctg 120

tggtgtgagg ggagagtgga cacgtangag aaatcggagc tggtgtgata tttctgtcac	180
aaaagacttt cggaggaagg gaaaagacac gtttctagag aatgaaagag tgcagcgtc	239

<210> 1612
 <211> 282
 <212> DNA
 <213> Mus musculus

<400> 1612	
tatagcctga cgggtgccat gcttctgaa gatatngcct tcctanntcg aacggatccc	60
aggaagtgtg ctcatagtta atacacgtta ctaactatag aatgaagaat ctgaaacncc	120
ctaggaaaag cttttgacan aacccaacta tggatcttga caccgttngt actntccgag	180
attttggtat tttctgtgga agccatacat tgaagttgtt gtctgcagta acatgatagc	240
tcggtatgca atgaaagagg tcttcaactg gaaaaaaaaa aa	282

<210> 1613
 <211> 277
 <212> DNA
 <213> Mus musculus

<400> 1613	
agattgctga ggcccgcang accgtggagc ngntnaagct ggaagtgaac atcgancgca	60
tgaaggtgtc gcaggcagca gccgancttt tggctntctg tganacgcac gctaaggatg	120
accactggt gactcctgtc cctgccgccn anaatccctt ncnngacaag cgactctttt	180
gcaccctgct ctganccctc aagacagctt tatcctcccc cgcagaagta tgaatccaat	240
aaacttggtg acctggtggt gcttgcaaaa aaaaaaa	277

<210> 1614
 <211> 189
 <212> DNA
 <213> Mus musculus

<400> 1614	
aagctgcctt cctccaaaaa cttnatctga ctgaagactc cgaanacatg cactgaaccc	60
tacaaaagac agacttgga ccttccanct atagatgaac tctcttgcca aagccaaatg	120
gctgctgaac tttggggaaa gttacatgat agtgaggaaa acatagtatc tatctagaat	180
aattaattg	189

<210> 1615
 <211> 213
 <212> DNA
 <213> Mus musculus

<400> 1615	
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gnatgatacc aaccccagaa gttgaaaagc taccacgggg tgggtgctag ggcgggctgt	120
gactttgttg gtagggccct tcagtgcagt tggccagccc tgagttcagt ctccagcgcc	180
aaataaagca gacacaacgc actaaaaaaaa aaa	213

<210> 1616
 <211> 453
 <212> DNA
 <213> Mus musculus

<400> 1616	
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ccacngcgg ntcggaccag gccgcctnac agggacncng gancntnca cagctcggaa	120
ngatcagana cganctgggn acangnaact ggggggcan ntggngcaaa aatggagaat	180

aagggcaagt	cactccagaa	cttgaaggcc	cgggtcaggg	atggatgctg	ccacccagaa	240
ggacctctct	gtgaacaaac	cctaaagtat	gcctcatcaa	tgccccagaa	cccagggcct	300
cggtgcttcc	taattcaatc	aagcaaactg	atgatcagaa	ttcatcatcg	cgggctcctc	360
accaagacag	acagacattt	ggacagacaa	gcgtcagtaa	tcaaggtgac	ccgctttttt	420
gangggngta	gctttcttga	ccttttgta	aaa			453

<210> 1617
 <211> 292
 <212> DNA
 <213> Mus musculus

<400> 1617						
catctgcaac	aaatgctg	ccnngttctt	tantctntat	gaatncatgg	aacgcaagaa	60
aagttgcaact	aaaacccctc	ctgtgactca	taatgannga	nagccagggg	ccantgcctt	120
catgaggact	tttccagagc	tgccctgacc	caccagatgg	gcatnccang	ctcttgggaa	180
aaacntgccc	tctgaatana	atncanntgn	atccccnaan	aanacctgac	cacctggctc	240
tctgctcatg	tctacaagaa	tcttctatcc	tgtcctgtgc	cttaaggcag	ga	292

<210> 1618
 <211> 482
 <212> DNA
 <213> Mus musculus

<400> 1618						
gactgagggga	agaagccagc	tgcaaccagt	atctccatcc	tttccaagcc	tgataaccca	60
tgtccagtcg	gccccatctg	gtcacagcaa	gtcagaggtg	gaatgagctg	aatcctgttt	120
atacactctg	agaaaaactt	aatctggagc	cagagtagcc	tacacagttc	tctttgactt	180
ttcttggtcc	ctttgctctg	taattoagtg	accttgtagg	cccagtctct	cttctacaca	240
ctagaatagc	cataggcaag	gtctctgagg	tctcagaaca	cttcaactccc	ctcagctgac	300
tgtacccact	atggaacaac	ctcagactga	gaaccagcc	cctagtaagg	ccactagtgc	360
agaaactgnt	gaatttttaa	aaccatgagg	ccctgtctgg	accananaag	catcctcagg	420
acaaggatgg	tgcaaatgct	gatggagcag	ctggagaaca	ggagccagga	gaccaaactt	480
tg						482

<210> 1619
 <211> 322
 <212> DNA
 <213> Mus musculus

<400> 1619						
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ccgacttagc	actgcagcag	cctgtactct	gcaactggcc	atagacgagc	caccaggctt	120
ctagagtcgt	ctcagcacc	tctcaaggtc	acctgactgg	agcaactgcc	acgacgtgct	180
cttggtcaca	tcctgtata	gttctctggg	aaagctataa	atatatatat	tttggttatt	240
gttttngt	ttccgttaca	ttttatatct	tgnatttatc	gcccgatatg	ttttgtactt	300
tttgttttcc	taaaaaaaaa	aa				322

<210> 1620
 <211> 234
 <212> DNA
 <213> Mus musculus

<400> 1620						
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actggagaag	cgaggtgttt	ctcaacagca	agctgcntat	tgggggcnaa	gagcntgttt	120
ttcccaaant	tattttatgg	ggacccaann	ggcgngnga	attttttccc	ccatccccca	180
tcnaaagaaa	cacccttgga	agntcnttgc	cttttaaaaa	aattcccccc	taat	234

<210> 1621
 <211> 438
 <212> DNA
 <213> Mus musculus

<400> 1621
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 agcaggcacc tggactcact caaggcaatt gtttttagag agtataatca gacctgtgaa 120
 aattacagct ccacaacgtc tctgnaggaa gcgagccttt ctatgtgttt ggattcaaag 180
 atcactcacg aaaacacaga agaaaaagng aggggccacc gagtcaactca agagaccttt 240
 gggacctacc ctacagccaca gntagagttc gcacagtnta agctggaaac caagttcaag 300
 agtaacatag gggggggcct cttggccgac aggaaaagag ccttccggcg ccttgtaaag 360
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 ccccaacttt ttctctgt 438

<210> 1622
 <211> 256
 <212> DNA
 <213> Mus musculus

<400> 1622
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 ctgctgcaga agtacaatga gcctntgcat gttttgagat ccccaaggac taggccagcc 180
 ccaggagag ccgcccgtca gacggaaaagc atnacgcggn gctccanctt cttgggagcc 240
 ccagctcaaa actgtg 256

<210> 1623
 <211> 159
 <212> DNA
 <213> Mus musculus

<400> 1623
 ttctcactgg gagagctgna gggtcacctg ncatatgacc tgaaccgggc cagngcngga 60
 atganaagga ctctaccag cacctcctcg cagtngggag caanacgnca caatgttagg 120
 tctcgatgga agaggacagt ggacaccgag ccccggcgg 159

<210> 1624
 <211> 132
 <212> DNA
 <213> Mus musculus

<400> 1624
 gaggaactgg gagggggagg caggagggcc aaaagttcaa gaccaccttg gctacataga 60
 gaatttaaag cctgcctggc ctacatgaga ccttgtctca aaaaaattaa agatttaatt 120
 ataaaaaaaa aa 132

<210> 1625
 <211> 341
 <212> DNA
 <213> Mus musculus

<400> 1625
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 nggganaccg nagtcttttt cacactggga tcacccacgn gcagcatctt ccgtgtntgc 180
 tgaanacat ttntcttttg gacaaccatt cgagccacca atgtgggtnt ctgttgtgag 240
 acacatctg taaatgctat cacatttgct accagagaaa ttctctgcag attccaaagg 300

ttgagggagg acaaaagcta gaactgtaat gaaagcgggt t

341

<210> 1626

<211> 342

<212> DNA

<213> Mus musculus

<400> 1626

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acgtnacctt	tctaaccac	tcngaaagca	cgccaagcca	cctangcggg	gcccacatat	120
gantcacctn	aacatactgc	ttgaaggccg	gaatccctac	ttcagtacc	tncagntggn	180
gggagangag	gggtacagga	atctggttct	tgggccagtc	cactcgaagt	gtgcttttct	240
gtcattgata	tcattcttgn	catgtgatat	ccacntgan	ncctttntag	nngaagcnnn	300
nngcncaaan	gctcaaagaa	cactggaata	aagcttcgat	tg		342

<210> 1627

<211> 352

<212> DNA

<213> Mus musculus

<400> 1627

gaggatccca	tctgccatgt	tnnaggtctg	ccctncactg	actgactaga	tctctanccc	60
ctatatgggn	acctgtcgng	atgctgcaag	atgaccctgg	ngngaaatn	natgccanaa	120
tctngngacc	aagggaaca	caagccccag	tgatgaagac	agcaggtaac	acctgacaga	180
tgtgtgttct	accattatgg	tgcatactg	gctccaacca	caagaaatgc	agacaacagt	240
ggagatcagg	gcaaggccat	tgtgacatgg	aacaggaccg	ctgtgctggt	ctcttcaggg	300
ttaggaaaac	tgaactgntg	ggatgctnct	gacanggtac	ccaatttccc	ct	352

<210> 1628

<211> 685

<212> DNA

<213> Mus musculus

<400> 1628

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atggtgagac	accagcccct	gcaatactac	gagccccaac	tgtgcctctc	atgcctcaca	120
ggcatctatg	gctgccgctg	gaagcgctac	caacgctcgc	acgatgacac	cacgccggta	180
cctctacaac	cgcattgggt	actggagtga	ctggctccgtg	cccatcctgg	tgacctcggc	240
tgctgctttc	acatacatcg	caggcctcct	ggtcctggca	ctatgtcaca	tcgctgtggg	300
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cagcggccac	aagggaatg	ggccacctgg	gcgaacacat	tgggctcagt	caagcatggg	600
ccttttggtc	aaaaggttgc	ctacagtaga	aaggaaccca	aggggcaaag	acaattaaaa	660
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<210> 1629

<211> 323

<212> DNA

<213> Mus musculus

<400> 1629

gactgagggc	aggtaaagat	gngagtgaga	cacacgagca	cctgccagta	gcctgcacgc	60
gggatgcagg	cgtgggatgc	aggcgccac	tggcaggcgt	tggttggtcc	aagggttgca	120
gctctccgtc	tgcccatgct	tggagagatc	cgttgcttct	gctcctactc	aaagcacaca	180
gaaggaaacg	ctggcacatc	ggttctagaa	taaattacca	ccctgtggaa	agaccaagcc	240
gcttctctgt	ggaggacccc	caaatgatgg	gagacagttt	tctgttaaaa	gaacagtaaa	300

gccattctat atacaaaaaa aaa

323

<210> 1630

<211> 202

<212> DNA

<213> Mus musculus

<400> 1630

ccgcccagcc	tgccctnctat	tagggacgtg	tcccggaaca	ctcttaggga	gtggtgtngg	60
catcataact	tgagtagcga	tggttagaaa	gttgaggctc	atttgagact	tcggagacac	120
tcctattnta	aacaagantg	ntatattccc	natacatctc	gggaggccag	aatgannnag	180
ggtcccaaga	aatccaagat	ag				202

<210> 1631

<211> 303

<212> DNA

<213> Mus musculus

<400> 1631

tgagagtacc	tgatacattc	cctggggctg	accccatctg	atcgcgctga	atttcatcat	60
cacctctttt	ggcnngcnna	gcgcaaggtc	ttctccgaaa	gtgaagggtga	cagacaccga	120
cttcgatggg	gtagaagtcc	cgagtatttg	aagggttctcc	gaaaccagaa	gagccgctgc	180
gacgcagcgt	catctatatc	cacggaggag	gctggggcct	ggctagtgca	aatancagct	240
actatnacca	gctnntcaca	acaatggctg	angagctgaa	ctccgtntct	ctttctattg	300
aat						303

<210> 1632

<211> 312

<212> DNA

<213> Mus musculus

<400> 1632

agcctccccg	tcgtcctatg	gattggcagc	ttggtgctgg	ggctgcttgc	actggtcttc	60
cttgccctacc	gcctgtggaa	atgctaccgg	ccaggctcct	gcccagacac	tagctcatgt	120
acacacctat	gaagctccat	tatgccagac	ttaaaggaggc	agagagtgc	cagctgcagg	180
atttggggca	tcaagatgat	agtgtggcct	ctttccttgg	tggtcagcac	atctataagt	240
ttctcctgac	ttctgggctt	ttctgcctgc	tggtccagag	ctaaataaaa	gccccgtatc	300
taaaaaaaaa	aa					312

<210> 1633

<211> 117

<212> DNA

<213> Mus musculus

<400> 1633

actgaggttg	agggaagctg	aggagtgacc	tgggaccttg	cctatgatgg	acaaaaccgn	60
tgagctccat	acctaaccct	tttaaaataa	aattggatat	tgccgagaaa	aaaaaaa	117

<210> 1634

<211> 452

<212> DNA

<213> Mus musculus

<400> 1634

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ncgaatcgat	gaantnganc	tcggnacccg	gggatcgaag	atcctatncg	gaaggncccta	120
ttctntagaa	agtataggga	ctccggcctg	nggcnnngnc	tcngcnnct	natgcttact	180
nactggacca	tacngnncat	catcttcctt	gaacaacgac	tctgnagnnt	gggccgggcc	240

tntggacnng	acagagcgta	ctaaacgaga	gtacttcgct	tgggtctactg	cttcgtaaga	300
gtttttcttc	ttctggctac	acaaataaga	ggaagtggag	aaactcacag	gagggcttgc	360
ttttacagaa	aatctgntta	acctgctaag	cagcctgcag	aaggncagag	gcagntncat	420
ttttagactt	cgcccctcta	acttttctct	ag			452

<210> 1635
 <211> 392
 <212> DNA
 <213> Mus musculus

<400> 1635						
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aatagagagg	aagagccacc	ttcatagctt	acatgagntg	gctntggntn	tacaacctat	120
gntggantnt	acctnagtnn	gactggatga	nacnannntc	ncgcatntan	atnntnatcc	180
nncanntgag	gncctgggnc	ttntctctga	ttgctanang	acacaccctc	aatcctacca	240
atctaagtct	ccgccttttg	tttgccctgcc	ctccctccctt	agactcctca	tgcattcatg	300
cacaatgaat	gtcatctttt	tattctctga	ttccctttta	ctttaatctc	aaactcttga	360
caagactttt	actctgtcct	ataaaaaaaaa	aa			392

<210> 1636
 <211> 153
 <212> DNA
 <213> Mus musculus

<400> 1636						
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netcaacntc	acnnnctggg	ggacaggctg	cccatctcgt	tgataaattg	actatgccaa	120
taaattaaca	tggttcactt	tcaaaaaaaaa	aaa			153

<210> 1637
 <211> 331
 <212> DNA
 <213> Mus musculus

<400> 1637						
ggatgttctg	atttcctgat	tgcctcanac	gtaccnaatc	ntnatntaaa	ccaagggtcat	60
gacatgttgc	caccgcacac	gtgtncattt	tcaggattat	caagtgaatt	catgntncnn	120
nccccantca	cctcttcaact	cnctgaatag	aaggacttgt	aaagtaaaat	agcccatgag	180
agagaatgca	catatgggag	aacagangtt	ggggccctat	nagaagtgnt	ggcacctgca	240
cctgacctgt	gagagtnact	gttccagggt	tagctntgag	acatcactca	ttggcttggt	300
ttggaattct	tactctaaat	gattcatttg	a			331

<210> 1638
 <211> 196
 <212> DNA
 <213> Mus musculus

<400> 1638						
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acnanngtcc	tntgcatgan	ngntccacac	tcctaactgg	tgagccatcc	ttnccgctccc	120
naaagaaaga	acntaaantc	ntntctccat	cctgacttcc	aagctgttct	acagagcant	180
agtgataaaa	aaaaaa					196

<210> 1639
 <211> 101
 <212> DNA
 <213> Mus musculus

<400> 1639
ggtaagtctc gaaattcgat atcaagctga tccggaaccc ttaatataac ttogtataat 60
gtatgctata cgaagntatt aggnccctcg aaaaaaaaaa a 101

<210> 1640
<211> 541
<212> DNA
<213> Mus musculus

<400> 1640
gtgaaaaaga aggggtcagac atatatgaag aaaacctgca ctaccactt ctgcttattt 60
taaccaaaac gggatagaag aaaacatcag atgcagagaa agatttccac actatatgag 120
aactccgcca cagcgctctt gggactcagg gctccacca ctttcgaaca ttccgcatct 180
tgggactccg cccagcccat tactccggcc ctccggcagct ctcccaccct ccgcagcgcg 240
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gtttttctgt gtcagcagcc tgtcttagat cagaatttga cttgtggagc aatctaaata 360
gtttttctct taaagcacia tttcttttga tgatttccac ctgccgccc cctcctttt 420
ttttaattgc ctttgttctt gtttgtaaat agtattcttt atccacaaac acagaaagca 480
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a 541

<210> 1641
<211> 291
<212> DNA
<213> Mus musculus

<400> 1641
ctttgaatcc ctttggaacc tangaagcnc tnttgaagag atcctagcag ccagaggaga 60
ggagggtacgc cgagtgtctg gtgacggtgc cctggaactg attctggagg ctgctgtacc 120
ccctgacacc ccagaagggg atgaggatcc ccccaaccct ggcaagatgg gacagagctg 180
atctgcatac tctacagct gcagactoca gtcttcccaa aagtcgctcc cttcacttgg 240
agcctcacia gcctgtgtgt gttccttgtc agtaaaaaac catcacctcc a 291

<210> 1642
<211> 103
<212> DNA
<213> Mus musculus

<400> 1642
ttcaagctcg ctttgctaaa cttcgaaana gaacncatca ctcttaaagg tcccagcggc 60
aagggggcca cccaaaangt cngtacnccc atgtactatg tgt 103

<210> 1643
<211> 502
<212> DNA
<213> Mus musculus

<400> 1643
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tggccctgga ggcgctaaga gcagagccca ggatgcaggc gctaattgtct atccctgggtg 120
ctcttctccc ccgctctgcc atgggatatg actctgggag cactgtctct ctcccgtaac 180
aaaagactgt ggcttctgt gtctacttag aaatcagttc tgcttcccaa agagtattta 240
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cagttgatag cacatgtaaa tccagcact tgagaggtag aagaagcaag aggatggatg 360
agaggttcaa acgcatccgc agctacgtcg aaagttaaaa agcagcctat gccaaacagg 420
gagagtcctt gtccccaccc ccaccccaa aaaagagcaa aagcaaacca catgatttat 480
aggcaaaagc agtgggaaag ac 502

<210> 1644
 <211> 191
 <212> DNA
 <213> Mus musculus

<400> 1644
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 acgcacnatin atantctcaa canaaaaggc agcgcatcan tacacacana ctcaaacttg 120
 ctctgtcatt tactcatcgt tgccacanac tacctactaa canttatntt ttgacatgga 180
 cactgcttta t 191

<210> 1645
 <211> 193
 <212> DNA
 <213> Mus musculus

<400> 1645
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 tgcacgacga caactacaga aggagtttcc agacaagttc ttctgaacga actttttgtaa 120
 ttcttagcaa acacttcttt tcttcagatg gcacctatgt agactcaaag taaaattcac 180
 aatacaaaaaa aaa 193

<210> 1646
 <211> 239
 <212> DNA
 <213> Mus musculus

<400> 1646
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 aaccagagc caagggttcc tccctgttat ggttgctggg cgattctgag gcactcctcc 120
 acactccttt gtggcaccaa tcattgacgt gtgacccaac caagaagaat ccacgtggcc 180
 ttgtacttta tcctcactgc ttaagggtgcc cagaataaaa gctaaccctt tcttcttca 239

<210> 1647
 <211> 425
 <212> DNA
 <213> Mus musculus

<400> 1647
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 gaccctcaca gctgatgaag tacgtgggcc agaacctctc tatccattcc ggccgggtcc 120
 gttctgtggt agacctgtg aggtcttggt ctgaggagaa gcgccattac tcattcccg 180
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 gcatcaatgt gtggggcaac acctggcagc aggctgtcta cctggtctgc aactacgcca 360
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 ttcca 425

<210> 1648
 <211> 273
 <212> DNA
 <213> Mus musculus

<400> 1648
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 aaatgaaatg atagaantgt ntcttttcan atnnttnctn tntgtgnatt aaangtgtgt 180
 gtctactctg cttncagctg aaaggctcct gagacagncc aaagacacac cctgtagatc 240

gcctaagggc tggtccagg taccaagaat ggg

273

<210> 1649
<211> 264
<212> DNA
<213> Mus musculus

<400> 1649
cttccgtcag agaataagca cgtgtaccct aggaactaca tagtgaataa gagatgtact 60
gccacactgt aagccgcact acttatgtac tgtagcaaa taatgaagat tgactgaacc 120
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tgtgnnttgg gagcctctgc catttgtcag actgcacagc aagocaaatg tanaatggac 240
gaagtagtaa agctcttgtc acca 264

<210> 1650
<211> 460
<212> DNA
<213> Mus musculus

<400> 1650
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accccaaattg gcaaccacaa gtccaatgtg atcaggaaga aacagggtcca cctcgaattg 120
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<210> 1651
<211> 399
<212> DNA
<213> Mus musculus

<400> 1651
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ctgggaattt gcaaagtgtg tatttcttaa aaaaaaaaa 399

<210> 1652
<211> 207
<212> DNA
<213> Mus musculus

<400> 1652
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ctggaanaga naatttttgaa ctctcatggtt accaaacgaa caannccaag actgatgagt 120
tgacctactt ctaagcngca aattctaaag tgatctgatt ccgttcatta gagatttagc 180
catgaataaa gaagcattct tcaaata 207

<210> 1653
<211> 310
<212> DNA
<213> Mus musculus

<400> 1653
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gaagagtcac gagaggggaat gtgcctttgc ttgcgcgttcc ggagaccctt tgacttgctt 120
gcctagtccc tacaaccgct gagttgataa ttctgtccgg gagagcttct ctgcaggggc 180
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aaaaaaaaa 310

<210> 1654
<211> 554
<212> DNA
<213> Mus musculus

<400> 1654
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tataacatgg aactaggagc agagaggaac cctgcgggtca cttcctcttc tacattgctt 120
ttgtcaagta ttttatcaca tcaatctgaa acttaatttc taaacagaga atgtcatgat 180
gttgtaagtt tatagatggt ttatggatag gcctagtaat tagtgctgaa atgtaagttc 240
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tggtaaactct ttgttctgtc agagctaaat cactatttgg gcaaatccat ctccttggtg 480
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tttttccttg agcc 554

<210> 1655
<211> 286
<212> DNA
<213> Mus musculus

<400> 1655
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tgcaggatta taaagctact ggaaacagca tagagacaac ctggaagagt gccctgctcc 120
acacagccct aaagggccca ggggagcact ggacacactg tcaatgaagc atccgtcctg 180
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catgtctctg acaattaaaa tcttgttgcc accctaaaaa aaaaaa 286

<210> 1656
<211> 421
<212> DNA
<213> Mus musculus

<400> 1656
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ctccccttcc agatcaccga ttctccctaa gacacgcaca aaatgnccat ttggatacac 180
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g 421

<210> 1657
<211> 485
<212> DNA
<213> Mus musculus

<400> 1657

gattcgccctc	ccccgaagt	aaatcggatt	ttgtatataa	ggaatttgcc	atacaaaatc	60
acagcagaag	aaatgtatga	tatatattggg	aaatatggac	ctattcgtca	aatcagagta	120
gggaatacac	ctgaaaccag	aggaacagcc	tatgtggtct	atgaggacat	ctttgatgct	180
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tattacaatg	ctaaccgggc	atttcagaag	atggacacca	agaagaagga	ggagcagctt	300
gaactttctc	agggaaaagt	atgggcattc	aacccagat	ccttcccaag	gtggaatgga	360
caggccacgc	cgtnngnccc	ttgggttacc	ctgggnnctt	ctttcttctt	ttcctttttt	420
tnaatttagg	tancctggga	ataatttggg	ggaaatttnc	ctttaatttt	tggggggaaa	480
ccttt						485

<210> 1658
 <211> 400
 <212> DNA
 <213> Mus musculus

<400> 1658						
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gcccacagaa	gagccattgt	ccacagagga	tctgatgcg	aagggttacc	aagtagatac	120
caatggtgaa	agccagccac	accccagaat	ggacaacacc	cctagacagc	aggaagcagc	180
ttaagagaca	cgccaccctc	attccctttt	caccaccagc	tttcccttca	tttcttcccc	240
ttctctttat	aataacaaga	agggaggtat	gttggtatca	ggacctctga	aacctgtgac	300
atcacatagg	caacaatgtg	acctacacac	ttgttgccaa	gacaatggcc	accatattcc	360
cagcatccac	tggactcacc	ttccaccttt	atctttacct			400

<210> 1659
 <211> 310
 <212> DNA
 <213> Mus musculus

<400> 1659						
ggaccgtggc	taggctccat	tcctgtttgc	tcctttctca	ggattccttc	aagggtcacc	60
tctggctgtt	acaaagtagc	tggagggaca	aataagaaaa	cccaacaata	gggcaaggtc	120
acaaagtttc	taaatgaaac	tgtacagaga	gatgaaagat	ttgggccttg	aaataggcgg	180
tttgtatccc	ttctccaagt	agagccctgg	aggcattttg	gaggcctggg	gtgtaactta	240
cagcacatag	cttttttggt	tctggagaca	acctgtcaat	aaaagctggt	ttccctggta	300
aaaaaaaaaa						310

<210> 1660
 <211> 260
 <212> DNA
 <213> Mus musculus

<400> 1660						
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ccgtgtccag	acaaagattt	cccactccat	gctactgctg	aagtctccga	ccaatgaagc	120
agacgaggga	gaaccaatcc	cactcccacc	cattcttctg	cagccaacag	ctggattgat	180
ctccaaacaa	gtcggaagag	atgcgtaatt	gaattaaaaat	cataataaat	tgaagccaac	240
tcgttcgatt	aaaaaaaaaa					260

<210> 1661
 <211> 104
 <212> DNA
 <213> Mus musculus

<400> 1661						
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tatacctttc	tntctttctc	cctntgtccc	atctgagcca	gcca		104

<210> 1662
 <211> 434
 <212> DNA
 <213> Mus musculus

<400> 1662
 agggctatga tgaatcaaaa acctaagtcc ctggctccta ctcagacaat cctcagcaat 60
 tccgacatca acaaaagcaa gcaggaagca aatttgtaga cctcttcagt tttgctgagc 120
 tgtgttggtt atctccagat gttttctgta ctattctcag aggcataatt gcagtagata 180
 ggccagtgtt taagagcagc aggccagcaa caaagcaatg gtatcctaag tgggatctgt 240
 gctcttggtt gagctgcccc agcctctcag ccgcacacgg ggagtctact agtttgggca 300
 gcgaagacac atatctggct gcgcttcaat tactggcaaa cagtgatctg ggacttcagc 360
 ctnaaacaga aaccnancgg ttaatngtga tctagtggga gcctgcaggg gtttcttaag 420
 aggaagtact taat 434

<210> 1663
 <211> 361
 <212> DNA
 <213> Mus musculus

<400> 1663
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 cgaaattgaa atgttgtttt aatcctgggg ttatccggaa ttgggtgacc ttgagcgaat 120
 tattcaacct ctgagtactc cgtgtccaca tatcgagga gctatgtatt tgtcttggtg 180
 ttgttcttgt ttaaatgggt ttccccatt taactcgcaa actaaccac cgaggtagac 240
 tctgggaatg gaaagataag ctgagttcag gatttatctg gtctcctttt aagtcctttc 300
 attacttact gtgccacctc gtctaaatta aattcattgc tccacctgcc tcatgcaaaa 360
 C 361

<210> 1664
 <211> 348
 <212> DNA
 <213> Mus musculus

<400> 1664
 aggacaaatg cacggtatga agcctgacct acaccgnana agagaaantc ctnnntcctg 60
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 ctccccagt atgctgtgag cattgtncn ntnnaaagtg cctgagcctt tgtncnccc 180
 cagtatgctg tgagccttgt cctccccag nngctgnga gccatgcccc cctcagccat 240
 ggcagccaaa atgccctcct gtgcaatttc caccatgcca gcagaagtgt tcanccaaga 300
 ataaatgagg gtttcccagt catcaggact gggaagtaag agaaatct 348

<210> 1665
 <211> 255
 <212> DNA
 <213> Mus musculus

<400> 1665
 agcaagttgc tggagaaacc canctctctg catgcctctg acgcaaactc tgcccccaga 60
 gcagagcctt gaaaatgaaa accaggaatg aaacagggcc aggattacac aaatcttctt 120
 aaaagagaca aactcttagg tacttttgaa cttatctatt tggtttattg ttgatgcttt 180
 gctttctgag acagtcttat caggtccagg ctggccctga actagctctg tgctggagac 240
 gacotcacco tgatt 255

<210> 1666
 <211> 148
 <212> DNA
 <213> Mus musculus

<400> 1666
agagtatctt gggaggccaa ccncaaaggt ctttnggatt aacncaccac annngcacan 60
tgtgagganc ggcntgenna cgcttacggc tatgcaaggc acagatcttt cccagcatgg 120
gaaagatcct ncctccctct ctctctct 148

<210> 1667
<211> 317
<212> DNA
<213> Mus musculus

<400> 1667
ggaaacagag ggctactcag gctccgacat taagctggtc tgcaggaggag cagccatgcg 60
gcctgtgcga aagatcttca gtgtgcttga aaacaaccag tcagagagca acaatttacc 120
tgggatccag ctggacactg tgaccacaca ggactttctg gatgttttgg ctcacaccaa 180
gccttcagca aagaatctga ccgagagata cttggccttg caagagaagt ttgagtctgt 240
ataaagctgt gccagcctg acctggccag aggcagccga gagcctcccc agcgtgactg 300
ggatggaagg gaggaag 317

<210> 1668
<211> 357
<212> DNA
<213> Mus musculus

<400> 1668
gtctccgctt catttgtcca aacctgcac aagccaaggc cttggaggga acaaatgacg 60
gttctgagga gtttcctgga aggettaatc ataggaggca aagggtggga aaagccacag 120
tggcagttag gcctccgagg ctcacaacag tgcggagcct ataacactcc aggcctgaag 180
gggcagaggg agggggagct ttgtggagta agagatcacc tanaaagaag gttgtagggtg 240
gagccaggga ctttggagag aagctgggtg agccacaggg ctttaaggagc atcaacaccc 300
cccattcccc actgtcgtcc ttctcggagc accaccatgt aaccaggaac accctgg 357

<210> 1669
<211> 170
<212> DNA
<213> Mus musculus

<400> 1669
gaatgaagac accggaggaa tatatcaaac cttgctgtgc caaggccccg tggaactcac 60
aagggggaag aaaaggaaca aaagnnntat nncnnnatnc aatnggntat cngnanaaat 120
tantcattgg agatattcac ggaagacatc ccangctgtg acagtgtatg 170

<210> 1670
<211> 160
<212> DNA
<213> Mus musculus

<400> 1670
gaagaagagg aagaactang tggttaagagc ggcctccagt ttcgaactac cttactagaa 60
ttggaaggct gagctcgagt cctcagagat caagtccagc cagagtcttc agagatcaag 120
tccagccaga gtcttcagag atcaagtccc agagtcttca 160

<210> 1671
<211> 685
<212> DNA
<213> Mus musculus

<400> 1671
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ctgaatgggc	ttgaagattt	tgtacatacg	tgtgtgcaca	tgcacacagt	gcagaaagcc	240
agtgttttta	tttgtgaggt	gtttttgtca	gtagttcaca	atatggagaa	taattcacag	300
agacttgata	gtaaaagcttt	acaaagacta	aacctaaactg	aaacagaagg	gtgttcatat	360
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ttcctttaaa	ttcgctcagt	gatcacttgg	atacccttgc	aaatgagaaa	atgcagtttc	480
ccacctgcca	atcacacctt	cangctgtgg	gttttttgnt	ttggttttat	tgnggttaaa	540
aacgctatat	aacaccacat	gtgtgtgctg	ntatgtagtc	atatgtgggt	acgtgtgggt	600
gcttcacaat	gnacatgcat	cgtgggnaat	ttgccgttgg	ttttccctct	tagctgggtat	660
accacaatgc	ttggaaaaaa	aaaaa				685

<210> 1672
 <211> 257
 <212> DNA
 <213> Mus musculus

<400> 1672						
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cttatgaagg	taagtgaggc	ttgatggctc	cctgttgggg	atttgggatg	acgcttcagg	120
gtcttctcgg	gaaagtgcct	ctctgtcagg	gtgctacctt	ctcaggaagg	acactttccc	180
cacagataga	tgctcttcca	ggcaaagggt	gctcgggcag	ctattttgta	aattcagttg	240
aggctttaaa	aaaaaaaa					257

<210> 1673
 <211> 107
 <212> DNA
 <213> Mus musculus

<400> 1673						
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gaactagact	gtgggaaaat	aaatggcttt	tgactacaaa	aaaaaaaa		107

<210> 1674
 <211> 398
 <212> DNA
 <213> Mus musculus

<400> 1674						
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tttgagttct	ttgtacattg	atcagtttaa	aagactccaa	cacctgctca	aagagaagaa	120
gcgccgctat	ttacacaacc	ggaaagtgga	gcacgaggct	ttaggtagta	gtctcctgac	180
tggccctgag	ggacttttgg	ccaaagagag	agagaattta	aagcgactaa	aatgtcttag	240
gcgataccgt	caacgctatg	gagtagaagc	cttactacac	aggcagctga	aggaacgcag	300
aatgctggcc	accgatgggg	ctgctcaaca	ggctcacacc	actcgnntcca	gtcagaaggg	360
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<210> 1675
 <211> 118
 <212> DNA
 <213> Mus musculus

<400> 1675						
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acttgatcat	gttctctgga	atagtctaaa	ggaatgctct	tgaacaacag	gaattata	118

<210> 1676
 <211> 193

<212> DNA
<213> Mus musculus

<400> 1676
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 gaagaggaga taagcagggg ggaggctgag cgacaagcca gcaaggaaga ggaaaacaaa 120
 gccagtgagg agtacatcca gagattgttg gctgaggagg aggaggagga gaaaagacag 180
 agagaaaaaa aaa 193

<210> 1677
 <211> 710
 <212> DNA
 <213> Mus musculus

<400> 1677
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 gagatcagct gatcagatcc gacccattct tttccctgat gttgaccccc acagtcttcc 120
 tectggttct aactttttcca tgacagcagg agactttcag gagatttact ctgaatgcaa 180
 tgccctgggac tgtattgcca cctgnttctt catagacaca gctcacaatg taattgatta 240
 tattgatacg atatggagaa tactcaagcc aggtggaatc tggataaatc ttggtcctct 300
 actataccat tttgaaaatc tggcnaatga actgtctata gaattgagct atgaggatat 360
 taaaaatgtt gttcttcagt atggatttca gctagagggtg gagaaagaat ctgtattgnc 420
 aacatatact gtgaatgatc tctctatgat gaaatactac tatgagtgtg aactggttgt 480
 ggncggaacc acaataatgg tcttaagtgc tattaccagc aagaacattt aataagagta 540
 aatgatgaaa tgacaactca nagtcaactat cggtgaccac aggacacaac cttcaaatca 600
 ntgggtgcct tcttaatnct aaccaattta caaatagnng ctattttctt aatgangcna 660
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<210> 1678
 <211> 345
 <212> DNA
 <213> Mus musculus

<400> 1678
 aagcctagat ttggaatcct cactcgggtg cagtgggtggc cctggtcgctc ttcattctcga 60
 gagtctcatg aacctgtggg tctggttgct tcagctgact gacctgggaa tggctagaac 120
 ggaacagcca agcacgggca tgtctgctgt cctcacggca gccctgttgc atctggcagg 180
 gctctagctc tctccaaaca tgactgctgc cagcccagtg ctgtgggatt gtctatagcc 240
 aagttttgta gagccagtgg catctgggtt tggtgtgtgt ttggtttttt tgttttgttt 300
 taatgtccta ataaaacctt aaaagcatgc acatcaaaaa aaaaa 345

<210> 1679
 <211> 194
 <212> DNA
 <213> Mus musculus

<400> 1679
 gctggctcga gtgtggaagn ctgcctgccc aaagaactgg acgtgaaact gntgactngc 60
 atttgatggt tgctttgggc ctgaantggg gncannnatn gagctcacc cennngagct 120
 attgctgaac aggtncactt nccccacatn gtaataactt tcctttttcca ctgcctctgc 180
 tgggtgctgg gcta 194

<210> 1680
 <211> 270
 <212> DNA
 <213> Mus musculus

<400> 1680

ctgtgctgat	gtccttgcaa	aggcaggaga	agtccatgtg	acactgtgca	gaggacaagg	60
tggaaacgct	gctgacaagc	ctcagagaga	gtggcacaac	agttggcaag	tagttgccat	120
ggcagccctg	ggaggggttca	ttttaagtga	tgtgtgtccc	tttagctgtg	aggctgtgcc	180
aggatacaag	tgcactgggt	ataggttaagt	aagaccatgg	gcctaaacct	tctccccctt	240
cgtcttttgc	atgaagtatt	aaaaaaaaaa				270

<210> 1681
 <211> 261
 <212> DNA
 <213> Mus musculus

<400> 1681						
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accttggatc	gnnaccacgc	actggcggag	agagncntgc	ggaagggcaa	gcagantgag	120
ttcgagcanc	gcgggctcct	ntgcancctc	tgggngngan	ctgggngcac	cntgcancca	180
aagccaanna	actccctnaa	cttggngnnt	attatggnt	tcaaantgng	gactgngaca	240
aagcaagttg	gtgtacagga	a				261

<210> 1682
 <211> 187
 <212> DNA
 <213> Mus musculus

<400> 1682						
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aacgagggag	atttgtccac	gtcagccaat	gagaagctac	atcctcccga	tcctgctcca	120
gatgcctagc	cggcctgttt	taccagctc	tgcccataaa	cacactctgt	ccctgtaaaa	180
aaaaaaa						187

<210> 1683
 <211> 394
 <212> DNA
 <213> Mus musculus

<400> 1683						
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tttactctgt	gttctcttga	anancnagtg	aachgnacag	agcatgggta	cnaaaactggg	120
acgcanacat	ggacacangc	ccccactgan	tnccctgtgt	ctngacaggc	acacctgana	180
tntgacntga	ntngagggtt	ctcaatgggt	gaggcaaana	gctatacatg	ttgacacacc	240
ttataaccac	aagcttaatt	ctcaagataa	gttgatatac	agaacagtaa	cttgctactc	300
tgtgaacccc	atcaccacag	tgtaatagcg	tctagacttt	tgaaaaatgat	gccttaccag	360
aagtttgcca	tgggggtgngt	tctttttgta	tcct			394

<210> 1684
 <211> 136
 <212> DNA
 <213> Mus musculus

<400> 1684						
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ntatnccatt	nnatangant	ctctcngtcc	aaaccttcta	ccacaacaat	ggacacaatg	120
ggtaccccat	taaaaa					136

<210> 1685
 <211> 173
 <212> DNA
 <213> Mus musculus

<400> 1685
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agcaagaatt cactcggaca attcttctac ggcaaagctt tattgcttca tctgaaggaa 120
gaccccgaaac aaggaaaatg gngctgctta tatacccctc cgtgagatgc cag 173

<210> 1686
<211> 354
<212> DNA
<213> Mus musculus

<400> 1686
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ctttccaagt gctccctttg cccgctgcct cttactctgc attctcctta aggaccaacc 120
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tcttctagat ttggactcct agtttcttcc aaataatcaa gccaaagcct gagagcaggg 240
cagacagctt tacttttggg aaggaaagca ggcttagaaa agtgggtgta cccagtgcct 300
caataaaaca gctcagtaca aataaccatt tgggggggata aagaagtctt actg 354

<210> 1687
<211> 300
<212> DNA
<213> Mus musculus

<400> 1687
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gagagcagaa gggagggaca cgaaaggcca tgggggagca gcancagcaa gaccctcagt 120
cgacacattg caggtgggtg ggaggctgtg acanggnacag ttccagatnc cacaatcacn 180
ccttgtnngn tntttccagg ntcngnaaga tggcaggact tgntanggac accgaccgga 240
tacggacatn taatatccag ttctggtctc tnagcctggg caaattactg gagcggtttt 300

<210> 1688
<211> 239
<212> DNA
<213> Mus musculus

<400> 1688
ctgagtaatg gtcagcaaga cccagaaaagc agacctgggc ccacaactcc cagagaagaa 60
gaaaaagaag aagaagaatg ngagagtggg tgcaaatgtc ncagaaccag agactcaata 120
ctcagtctta aacagnaatg attattttat agacgcttct cctncgaggg ccacgtcccc 180
ttctaacaat gtggatgagg tgcagatccc cgagatgtca ctgagcaaga gaaaaaaaa 239

<210> 1689
<211> 133
<212> DNA
<213> Mus musculus

<400> 1689
actgaggggtg gacctgcatg atttcttcct ggggatgtca tggctgaaaa cacacgacag 60
aaaccagatt gagaaactcc taaacagagt gaaggaactg gaacaggagg tggaaagact 120
taagaaaaaa aaa 133

<210> 1690
<211> 495
<212> DNA
<213> Mus musculus

<400> 1690
ttattttattt ttggaaatca agttcaatat taaaaagaaa gagcacacat tattggaagc 60

cattttctact	aattcgntac	attntaactt	atgattngat	ttgaatactg	tcatgggagg	120
agctgtgagt	gctgggggaag	ataatgatga	cttaattgat	aaccttaaaag	aagctcagaa	180
catccgaact	gaaagagtag	agcaagcctt	cagagccatt	gaccgcggag	attactatct	240
ggaaggtac	cgagacaatg	ctnacnaaga	cttaancctg	gaagcacggg	aacatncact	300
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tnatcttttc	ttanccctgg	gaaggtggaa	cccggatntt	tangntncaa	tgggtggngc	420
ttaatTTTTA	gggtaatttt	attttnggaa	attctctcct	ttataaaaagt	gagcntaagt	480
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<210> 1691
 <211> 427
 <212> DNA
 <213> Mus musculus

<400> 1691						
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agcgccatcc	aggaacctct	cgcctttatt	ttgcctaaga	gagaaacagt	tttctgttta	120
gatgagcagg	agctggggcc	ggacatcgtg	gccccagctc	cagagctccc	tgcggagcag	180
cggagcatgg	agcctgtaac	agagaagagg	gaaccagggg	agccgctgcc	tcaggagccc	240
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cacctgg						427

<210> 1692
 <211> 352
 <212> DNA
 <213> Mus musculus

<400> 1692						
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gcaaaaaacat	gacaaagtgg	tgctgtctgt	cattgtctggg	aaactaaaag	tgtggcccga	180
gtataagaac	cggactttat	atgacaacac	tacctactct	cttatcatcc	tgggcctggg	240
cctttcagac	cggggcacat	acagctgtgt	cgttcaaaag	aaggaaaagag	gaacgtatga	300
agttaaacac	ttggcttttag	taaagttgtc	catcaaagg	taaaaaaaaa	aa	352

<210> 1693
 <211> 316
 <212> DNA
 <213> Mus musculus

<400> 1693						
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ctttangcct	ctccccttct	ccacttacca	ctgcaagtcc	ttgagtgagc	agaaggaagg	120
agtaaaatga	agcattcttt	gggtcctagc	caagtacttt	aaaggaaaag	agaaatggcc	180
ttattttttca	aatctctatt	tctttctgaa	gtgggtgcta	tatatagatg	ctatgagcct	240
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<210> 1694
 <211> 414
 <212> DNA
 <213> Mus musculus

<400> 1694						
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tggtatgcct	tacaatttct	tgtacaaagn	gggatttcct	actgcatcat	gatcatagca	180
ggagtggaga	gcatgcagca	atctccanaa	gtttctctga	ctatgttctg	cttctgactg	240
acccctgcgc	tcagtctcat	gtgtgcgagt	ctgttcaggc	atgtaccaa	acaccgtctc	300
cgttccagat	actccggtac	atctgagaca	tctgaggctc	gggccgagcc	cagccaagca	360
gaggatatgg	gcaccaagag	gaacatccga	naaacagatt	accaccttgc	gaca	414

<210> 1695
 <211> 236
 <212> DNA
 <213> Mus musculus

<400> 1695						
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aggcaagnag	nagcacnttg	acagncaaca	gcaccgacag	nagggcgncg	ccctttttcc	120
acacctcacg	gnggctggcc	cgaggcccn	gcnngctctc	attgggatgn	gggaccagtt	180
cntncgacat	ggtgggggcn	gactggagga	ggttgaaggg	atcacttgcg	aggtcc	236

<210> 1696
 <211> 110
 <212> DNA
 <213> Mus musculus

<400> 1696						
gaagtctcga	tcactagacg	ggagatgctg	ccaagtgcc	cagacgggat	caagactcca	60
atgacaacn	taagattccc	taaagctaag	acactgctga	aaaaaaaa		110

<210> 1697
 <211> 203
 <212> DNA
 <213> Mus musculus

<400> 1697						
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gnactggaga	aaaaccctct	gaaaatacta	aatgtggtaa	agccttttgc	tgtcacagtc	120
atccccaaaa	gtatgaaaga	nttcatactg	nagagaaacc	cnatgatggt	attcaagtat	180
ggtgaagcct	ttgtacatca	ctg				203

<210> 1698
 <211> 360
 <212> DNA
 <213> Mus musculus

<400> 1698						
ccagtagaag	acattttctt	tnntggagac	aaagggatat	ctcccacagt	gnggtttcac	60
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ncgacaggca	ttgtgcccgn	actggggaga	cagcatacaa	ttgaatcgat	naagatnang	180
attcaagggc	ttcatgaggc	ttgtcggctg	gcgagacacg	tcctcctcct	ggctgggaag	240
agtttaaagg	tgacatgac	cactgagana	gatagatgcg	cttggtcata	gggaaatcat	300
naggcatgac	gcatattcct	ccactctggg	ctatggacac	tttncaaaat	ctgttttgac	360

<210> 1699
 <211> 150
 <212> DNA
 <213> Mus musculus

<400> 1699						
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aagtgccttga taataaccta aaaaaaaaaa 150

<210> 1700
<211> 262
<212> DNA
<213> Mus musculus

<400> 1700
gttgaacccc ttgaaaccct ctngtganag tctctatcac tanacgggag atgctgccaa 60
gtgccccaga cgggatcaag actccaatga caaccataag attccctaaa gctaagacac 120
tgcagatctt gactctgtcg atttctatag gtgtggtcca aactagtcct atgccccatg 180
aaccaccataa ccttacttgg gttataacta acactgctac ggggactgta attaactnga 240
cctnccacct ttgcccccat tg 262

<210> 1701
<211> 106
<212> DNA
<213> Mus musculus

<400> 1701
agtctcgatc actagacggg agatgctgcc aagtgcccc aacggggatca agactccnat 60
gacnaccata agattcccta aagctaagac actgcaaaaa aaaaaa 106

<210> 1702
<211> 243
<212> DNA
<213> Mus musculus

<400> 1702
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acagatgatg ctttgagcac aggactctac cccactctcc ctgtctcctt tctcactccc 120
ttctctttgt tccctttgtt tctctaccaa gtgagttggc ctgaggggtca ctggtgctcc 180
agcgcagcta tgtgtgtgac ccaacacaag ataataaact tattttaaac ttaaaaaaaaa 240
aaa 243

<210> 1703
<211> 139
<212> DNA
<213> Mus musculus

<400> 1703
gactgagggt ttttctgtgt tacctggcta tcctgtaact aggctctgca gaccatgttg 60
gcctcaaaact caagaaattc acctaccttc tgcccttcaa gtgctaggat taaagggtgtg 120
tattaccaca aaaaaaaaaa 139

<210> 1704
<211> 104
<212> DNA
<213> Mus musculus

<400> 1704
gaggatgca ccgaactgcn atcttcncga gttncacta aaanactgac ctatntactt 60
taanaaaact ttncntgggt agggatgggc ctcccccttt tttt 104

<210> 1705
<211> 282
<212> DNA
<213> Mus musculus

<400> 1705
actgaggtac tgaggccatg ttcccngagt ggnttcctnc tttgntctctt cttatggcan 60
caccaccttc aagtactttc aggacctccg caacncaggc ttggagaana gctatgcgct 120
cctcantggg ggttgctttc ccaccatctt ctccccctaac tccccctgg tctgactgat 180
acaactccaga actggggatc ganggctgca ccancaccac tacagtcgat ccaancagga 240
caacggggcgc accactgagc tcactaactt ttacaagaca tg 282

<210> 1706
<211> 315
<212> DNA
<213> Mus musculus

<400> 1706
gcctcatccg gggctgtttt gttgcgtccg aaganctgca nggactgcng ngnacccttg 60
gacannntag ntccgaacnc aancacnagc tccacnccgn gcagcgccnn gaccggnaaa 120
ggnatctatc acctttttaa ggagcacatt aaatgtcctc tctgattgaa gcctgccaag 180
agggtcagat atgtaaaggc cttgctacta agcctgagga cccaagttca atctccagga 240
cccaaataga ggaaaaggac tcttgaaagt tgtccttgga cccccacaca tgtactgtga 300
tgggcccccg tgtac 315

<210> 1707
<211> 259
<212> DNA
<213> Mus musculus

<400> 1707
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gacctgaact gaactgcca tttccagaca acacagatgg gagttgctcc aaagaacttt 120
tctaaaaagg tctttgccac tcaactttgc tcagcttgna tgttaactcc aggagtgcac 180
ctgaagacct aaaagcattt tacatgcaga tattatctcc aaacaataaa gngtgacttt 240
tcttttccaa aaaaaaaaaa 259

<210> 1708
<211> 140
<212> DNA
<213> Mus musculus

<400> 1708
actgtgggat ataacgantic ctatgtgagc cnngangng angntaagaa tgtcanctct 60
ttcanaggaa ggattgaccg caaagaactg agcgattgan aaagaatgcg gcatcacage 120
tggcaatccg aaagataaaa 140

<210> 1709
<211> 207
<212> DNA
<213> Mus musculus

<400> 1709
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gtggtgaaca ccatacagct ctttgggccc ccagtttctt gttaagcctg gctggggacc 120
catgtctgac cttatctccg tctctctcta agcaatacaa ttttccctag ggaaaagatt 180
ctagaaatag taactactac ataaatg 207

<210> 1710
<211> 105
<212> DNA
<213> Mus musculus

<400> 1710
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 ttacttcttg tggaactctc aaaggtcggc cggggaaaaa aaaaa 105

<210> 1711
 <211> 312
 <212> DNA
 <213> Mus musculus

<400> 1711
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 gatgcgctca tggctggggc ttcatatccc agaagccata tactgataag tggaaaaccc 120
 agtgccaggg tgggctacct ctatacattt ctggacggcg agtcttctga ggccctccaaa 180
 accataaaaag ctgatgtcat gtactaaata gttttttgtc aacacaagct aaagtcattc 240
 gagaggaaaag aacctcagat aacatttctc catgcaactga gctgtacagc agcttggttg 300
 gaattttcta tt 312

<210> 1712
 <211> 207
 <212> DNA
 <213> Mus musculus

<400> 1712
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 ttaanaataa agggagaagg gctgangaga tggctnaacg gntaaaaaca ctgantgctt 120
 ttccaagagt cctgaattcn attcccanca accacatagt ggctnacaac catntgtaan 180
 gggatctcat gccctctttt ggtgtgt 207

<210> 1713
 <211> 418
 <212> DNA
 <213> Mus musculus

<400> 1713
 gaactgaggt gtataggtgt gaaccaagtg cacgtctagt tcccttggag gccagaaaga 60
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 gatgcnactg ttttttacta ttttganggn ccagccaccn nancctttaag gncngggnat 180
 ttttttnaac tgncaantnt gannncggan cnetccacaa tanaatntct tgnttntctt 240
 gtggcccccna ggatnacacc gntaggatan gacactggcc ttgctttacc ttcagagtnt 300
 ggccttgcat aatggacnan attnattcct tcagttgntc tctgacctcc acatgcnctc 360
 ctgtgcatgg gtgtatgcat tcacatantc acacatcccc cgttggttaa taaataaa 418

<210> 1714
 <211> 118
 <212> DNA
 <213> Mus musculus

<400> 1714
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 ggcagcccct cagctcattt tgtagccaa cttggccttg acgggggagg caagcggg 118

<210> 1715
 <211> 379
 <212> DNA
 <213> Mus musculus

<400> 1715
 actgaggctc cagctccaga ggtcagtga gagggaagac acgggagcaa gactaccctg 60

aagggtcac	cnggggacta	aacctggaa	acaangganc	tnnccnnacn	ttcgtaanag	120
actnnggnta	taattntatg	gncctanctg	tancttnggg	ctanagaggt	gnccaacagg	180
ccatngagnc	ccatctgctg	aaactocttn	nnaacatgag	ggagtggagg	gactnngnaa	240
acgccctctg	ccctccctna	ctcctnngtc	cttaatgata	gttttgttta	natataaatt	300
tttatanttt	ngtntgggta	tacattttta	tctcaagggc	aatatttgct	ggggtttanc	360
gagttttaat	aaatattcc					379

<210> 1716
 <211> 299
 <212> DNA
 <213> Mus musculus

<400> 1716						
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taaggaggga	atgctttctt	cgccaagaca	tcangaaaag	actggggcac	ccaanagacc	120
agctngactg	tccgcatggt	attaaggatt	gtgggagggg	aggcgtggaa	gcgnacttct	180
ggctagacaa	agggtggagc	tgggagtgtc	cggagacaga	atcatccaca	gttgtaaagg	240
ttttattagt	tatctttgcc	ttctgatgca	atgaacgcac	gtaagccatt	ccatccttt	299

<210> 1717
 <211> 409
 <212> DNA
 <213> Mus musculus

<400> 1717						
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aggtggccac	tgaaaagcac	cacaggtctt	aatggctccc	cggaatcttc	ttagcactga	120
gaagctcaag	ctatggacac	tcctttcaga	caggcttgcg	actgtgatgt	catggatctt	180
ctgcctccag	atcctgatct	cagttttgag	tgcagtgtat	gcttttgcac	atgacttttag	240
ggcagatagg	gatgcaaggt	ggagtttttg	tcttttgagg	attcaggctt	tacctctaga	300
tattagtgtg	gttaagattt	gaaaatctat	agtaagacaa	tattactttg	gggaaaccat	360
cacatggaaa	taaaggctcc	cattctcgtg	gtatgtgtaa	aaaaaaaa		409

<210> 1718
 <211> 305
 <212> DNA
 <213> Mus musculus

<400> 1718						
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gaccctaat	tatgntgact	tnngggaaan	cttnactgnt	gattactncg	ngtttgnggn	120
ncaggatagg	tngaacaggt	tgnttatnga	ggtaacaach	acngaagcgg	ntnagactac	180
ngcngttn	tncagntttg	ntacngaact	tatggacctt	caaaatcctg	naaccacgaa	240
accagggacc	acagaaccag	ngaccacaga	accagtgacc	acagaaccag	tgagtcaaatt	300
gggga						305

<210> 1719
 <211> 240
 <212> DNA
 <213> Mus musculus

<400> 1719						
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cggattcatt	tccagnttgg	ggtgtagacg	aaagcctcct	gcctcccccac	aaagcaagat	120
ctgcctcacc	atggctogtc	caagttcaaa	tatggnagac	tttcggaagn	gtnttgcgaa	180
cggcnngcac	atagccatca	tctcgggggc	tggctgttag	tgcgagagag	gggggggaca	240

<210> 1720

<211> 293
 <212> DNA
 <213> Mus musculus

<400> 1720
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 aggnanggna cagcacggcc atggcacaag gggcagtnaa ctcttgagc ccctacttaa 120
 agggcaagct tctgaggact cgggaantca nttgagagt gggccagatn agangacnta 180
 ngtggataaa ggcaatttnc tngccaaacc cgnatgactt tgagggntgg atncccccttg 240
 gggacctaca tgggtgggagg aanagaaact gactccccac aagctagtcc ttt 293

<210> 1721
 <211> 264
 <212> DNA
 <213> Mus musculus

<400> 1721
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 gggctctttg gcaaccttgg gaaaaaaagc ccaccgata ttgcctactg agggcttagg 120
 aaatgctcag caaattccac caccgcaacc acactaccta acctgctgca tccgacccat 180
 ggccatattt tcattgcttt aaagaagctt ttattcttgg atttggtacg cgattaaaaa 240
 tattttcta gctaaaaaaa aaaa 264

<210> 1722
 <211> 472
 <212> DNA
 <213> Mus musculus

<400> 1722
 ctgaggcttg cttccgaaca ccatcttctt cccctcggag acccaatgga gaagggctgc 60
 agatccagga ggctgcacaa gctgcagtta gcctaagcgc caccaggggc gcgcctgcct 120
 atcgtgatcc gcgcctccgg acagcactgc ttcaggctcc agtgggtccag ggaaaactgt 180
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 gccaccgatg aagtcaactg aggaagagaa ggggaatact ttgctcacat aacaggcaaa 360
 cacgaagccg aacagctaag agagcggata acaatcagag agagagaagt tgtccctgtc 420
 cctctaccc acccaactca atgcctgtcc aaagcaaaaca tttaacacct tc 472

<210> 1723
 <211> 103
 <212> DNA
 <213> Mus musculus

<400> 1723
 tggggagcgt ggattcttct acacacccat gtcccgcgcg gaagtggagg acccacaagc 60
 ctacnacaca gcagtnacc naggatgagc aggaaaaact ttt 103

<210> 1724
 <211> 131
 <212> DNA
 <213> Mus musculus

<400> 1724
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 ctgggntn ntnccnnttg cttcataact gagtgtcngc aacatgtaaa attggagctt 120
 tgatcagcaa a 131

<210> 1725

<211> 188
 <212> DNA
 <213> Mus musculus

<400> 1725
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 cgagctgggg aggtacaact agctgcttgt acatttcctt agttaaaca agctgggggtg 120
 ggggtgttat ggatggctac agtagctgag toctattaaa ccgataagaa gaaacccaaa 180
 aaaaaaaaa 188

<210> 1726
 <211> 116
 <212> DNA
 <213> Mus musculus

<400> 1726
 gaactgagga aatttccttca caaggaggag natgaagaag aaatctgtat ataatcagaa 60
 tgtgggtgat caggagtgtg acgacatgga aggtgatgan aacagccata ctgccg 116

<210> 1727
 <211> 412
 <212> DNA
 <213> Mus musculus

<400> 1727
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 gaaactgaan ttctcccaga cncgntgac aagacaccga ngcncaggag ccgntggagc 180
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 tggaaacggg cccgggtcca aatgcccaaa gtgcatangg ccctaagttg gcccancctc 300
 tcaacancga ttcacgcccc ggtccctgag gactgagaac cagatcatga gaatgacagt 360
 cacagatccc ttctcaccac ttggagcgac tgtttctatt cccaataaat ga 412

<210> 1728
 <211> 384
 <212> DNA
 <213> Mus musculus

<400> 1728
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 ttccaggata aacctatctc tgctccttcc cactttaaat acatacctgg caacggtcct 120
 ggacatgcac atgtttctnt ntgaagcgca cgttgcanat gagcgacagg ctgagggcta 180
 cagaggagat agacatgcct ttcactgaca tgggcaactg aaggcctggg gaggcaggac 240
 gctcctctct ttcccttttg taggtctttt ggtcttccaa agctgtttgc caatgaagca 300
 ccttaccaaa ttggtgactt ttcattctcat gggacatata tagctaaata taaaatgcta 360
 cattaatatt atgtttaatc ccca 384

<210> 1729
 <211> 414
 <212> DNA
 <213> Mus musculus

<400> 1729
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 caaaatccat aggtcaccat aggtgggtcc ctgtagacaa gtggctgtca cctgcccatt 240
 tagcaaggct aaagagggga agggaaaact gctggagact ctggacaaaa agtagtacag 300

gaagagatta	tcagcataaa	caggcattaa	ataggaaacc	gtcactctct	gactttttat	360
ggacacaccc	ttcttgttta	ggaaacagaa	gaggatgaga	gtcatctgtg	atca	414

<210> 1730
 <211> 247
 <212> DNA
 <213> Mus musculus

<400> 1730						
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tggtcctgat	ctccacatct	ccaaggacga	gggtgtacct	tctgccaccc	agttgcaccc	180
tttcctgtgc	catctcacca	gctctgaact	caataataac	cttggcattg	ccactgaaaa	240
aaaaaaa						247

<210> 1731
 <211> 198
 <212> DNA
 <213> Mus musculus

<400> 1731						
aggaactcga	agaagccatg	atcgggagag	ctgcgagcgc	tgtataggac	tcagcttcat	60
ccagcancaa	cgcgcattga	aactcgagcg	ggctaaggcg	ctacggaaaag	tccgtagagt	120
caaaaagatt	ttgaacgcga	atctctcctc	ccacctacac	atcttcaaga	agtgaattac	180
tgggatactg	cgcgcctc					198

<210> 1732
 <211> 109
 <212> DNA
 <213> Mus musculus

<400> 1732						
aagactttgc	gttactnccc	gtgatnccag	gacgaacacg	ttgaatggac	ctttttaaaa	60
agaaagcgga	aggaaaacta	aggatgatcg	tcttgcccag	gtgtcgtga		109

<210> 1733
 <211> 228
 <212> DNA
 <213> Mus musculus

<400> 1733						
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atcaaccanc	gctagaagcc	nctggcactc	tatgctgact	cnancaatga	cnaggcgatc	120
nagaggatga	tcncagagac	atcaancggt	ggatgtgaca	ccaatggacg	gcattgtcac	180
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<210> 1734
 <211> 369
 <212> DNA
 <213> Mus musculus

<400> 1734						
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ggctttctcc	aaagctctgg	ctgtactcgc	caagagctgg	aggtgctggg	tcgggaaactg	180
cctgtgcaag	cttactggga	ggcagacctc	gaagacgagc	tgacagacaga	cggcagccag	240
gccagccgct	ccttcaacca	aggaagaata	gagccagttc	tttcctgcaa	ctatcaagtc	300
attcagaaaa	gaggagtcaa	gagaggggat	gaggtagatt	tgaaataaaa	aactataatg	360

aaaaaaaaa

369

<210> 1735
<211> 403
<212> DNA
<213> Mus musculus

<400> 1735

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gagtctggca	ccgaggctgc	ggatgacaag	gatgcctcaa	cgaaggacgg	aacctctgag	180
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cctgtgaggc	cccacctga	agagctatcc	atggaggaca	gaaagagccc	tggttaggat	300
gtgaccttca	cggggcttgc	tctctggctt	tgggggagat	gaagggttaa	gcttgaagtg	360
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<210> 1736
<211> 312
<212> DNA
<213> Mus musculus

<400> 1736

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cangatcgaa	agatnatggc	caccanactg	aaactganag	aggaacaagt	tgaggcttgg	120
ntnatccaga	gatncttgga	ggaggagatg	cggaccccct	tggccaggct	gnagnngnnc	180
gnontggatg	gtacctcttc	tccttnccac	aaagccctgt	gctgnaggcc	accaagctgg	240
aagnacnggc	tcattncat	naatnccnnt	gagtccttga	ccagntgctt	aaaggatagc	300
aaaactgtat	ta					312

<210> 1737
<211> 512
<212> DNA
<213> Mus musculus

<400> 1737

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tctgccagcc	ataggggaaga	caaaagctaa	ctgggagccc	tgatgtccta	tagtcaccca	180
gactggaggg	aagatgacag	cagggctccc	atacagagag	gaggtgaaaa	actcaaacct	240
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cagagtagag	ggaggaaaatg	tgtcaggggt	agggggtggt	gagnngangc	tnnnnggana	420
aacnctanc	tgantgaaac	ctnctttgcc	nattcatatt	tntcctgctg	gntcccanng	480
acttgccctt	gantatcacc	tgtctcactg	aa			512

<210> 1738
<211> 246
<212> DNA
<213> Mus musculus

<400> 1738

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tcanaagctc	accagatgct	ncagcgcaca	cgacagccac	ggtcccaaca	cccagcactg	120
ccacttgctc	ctctccagtt	ctgtcgggat	gccacacgca	ctgcccggcc	ttttaagatc	180
tgaccggtag	cgcggcgogt	cagcctcggg	gcgggcccga	ttctttgcgt	ccagccccct	240
ttcacg						246

<210> 1739

<211> 420
 <212> DNA
 <213> Mus musculus

<400> 1739
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 gcttcaaata ctttagtttc tacttctggg tgacctactg agaggagggc ataggaaatg 180
 aaggactgtg tgtgccctca agatggcggg gctcctgact tggagaagag gaagaggctc 240
 atgctgcacg cattgggtta tacaagaagt atttgggtgc agtactccta cagaacagca 300
 ctccatgccc tgtgacagtg tgcttgtgtg agctttccag tgacattcat ggtcagccat 360
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<210> 1740
 <211> 356
 <212> DNA
 <213> Mus musculus

<400> 1740
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 ccgtagatag cagagactca ttggccatgg cactttatgc tcgctgcttt gagtgggtga 180
 tcaagaagat caacagccgg atcaaaggca aagacgactt caaatccatc ggcacccctg 240
 acatcttcgg atttgaaaac ttcgagggtta accactttga gcagttcaat atcaactatg 300
 caaatgaaaa gcttcaggaa tacttcaaca aacacatttt ttccctaaaa aaaaaa 356

<210> 1741
 <211> 404
 <212> DNA
 <213> Mus musculus

<400> 1741
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 tagtgtttga aaagacaaga tggataatcg aaaaatacag gctttctaag agcagcgtcc 120
 ccattgatag aatcttttcg cgggattccg acctaacttg tctgcagaaa cttttggagt 180
 gtctaaggaa aacactgagc aaagtagcca attgcttcat cgctgaggag ttcttgactc 240
 aaatagaaaa tctgttcctt tccaattaca aaagcaagga agagaatgga ctggcagaag 300
 aggatagtac aaaggaattg ttcattgtaat tatttttaaag taagatgttc taatcttggc 360
 atgctactgt aaataattga gatttttaaag caatataaaa aaaa 404

<210> 1742
 <211> 184
 <212> DNA
 <213> Mus musculus

<400> 1742
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 cagaggagga agatgaccta agtgggctgc caccactaga ggacatggga cagcctacag 180
 tgga 184

<210> 1743
 <211> 107
 <212> DNA
 <213> Mus musculus

<400> 1743
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gacaaccata agattcccta aagctaagac actgccaaaa aaaaaaa

107

<210> 1744
<211> 192
<212> DNA
<213> Mus musculus

<400> 1744

tttccagggc	ttttttgntc	caccggagan	agcaccacag	gttgcccctg	gagcactgtg	60
acccccagaa	caactgagca	cttgacctcc	ttatctctag	tgtccgtcct	gaacgaaatc	120
tacgtgagat	gccaggactt	ggaaggnggg	acttgatctn	tgaagactct	tgggacttga	180
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<210> 1745
<211> 131
<212> DNA
<213> Mus musculus

<400> 1745

acaggatcag	aggcactacc	antgcanagc	accttcaactg	catgtctatg	ggagtggcaa	60
gggttttcc	cttacacagc	ctttaagggtg	acattataca	aataaattcc	tttactactgt	120
tacacttcaa	a					131

<210> 1746
<211> 258
<212> DNA
<213> Mus musculus

<400> 1746

tcctcgggtga	cagatncgac	gacgcaccgc	gtctcccacc	ccgcgccgcc	ncgatgccca	60
agaggaaggt	tagcgcggat	ggagcggcca	angcggagcc	naancgccga	tccnngaggc	120
tgtngncaa	gcccgcacct	gncaagggtg	acgcgaagcc	aaaaaaggcc	tttggaaagg	180
nttaagcatn	atacnaaaaa	gngccttttt	atttgnanta	ggggtagctg	aagggctaaa	240
cnggcttgac	gttggttt					258

<210> 1747
<211> 383
<212> DNA
<213> Mus musculus

<400> 1747

ctgggtggtg	gccaggaaa	aggaaattat	cttcttcttc	tgaggaggat	gacgttaatg	60
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tnaganttnn	actatnntgg	gtngggggnt	agcttacctt	agccctancc	ctaccctaac	180
cctanccagt	atgntgaatg	tgggntncaa	angttaagaa	cactggtttc	tntttcnaaa	240
gacttaggtt	cattttccaac	catggntgnt	cacaaacctc	agtnactnta	ctnccnaagg	300
atctaattgnc	ttntggcttc	agtaggcact	gcaactgtat	gcntgtggta	catccatgca	360
ggttaaaaaac	tcactataaa	cct				383

<210> 1748
<211> 476
<212> DNA
<213> Mus musculus

<400> 1748

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acctgacaca	ggatgtgctg	gaaaagnccg	atcatctgat	ggctgcagcc	aaaggtctgn	120
ttgctgatgn	tcctcgtnag	gcacaggggt	ttccaaatgt	aacaagggt	ccagattcct	180

cacagagcca	nactggaata	aatcaagacc	ctgtcaccca	gtctatcctt	aatgaatcaa	240
tcatagagcc	tcaggctctt	aatgaagtog	acgatgcagg	ggagcagagc	actgctcaca	300
gccagtcaga	agacagcgag	aatgaattgc	ctaactccct	cagccagcat	tctaacagga	360
gtacagagag	gtttcttcac	caactaaagg	aagagaattc	cgagttaatc	aatcaactgt	420
ggaccgatat	tcagcagaaa	atcgctaccc	agtcacaaa	aactcctcca	ggatct	476

<210> 1749
 <211> 225
 <212> DNA
 <213> Mus musculus

<400> 1749						
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aagangnaga	agaagaagat	agangncnac	ggagatggan	acgatgacga	atnntgaagn	120
agtggaatct	cagtcaggac	tcctcccntg	ggctcctctc	tattttctgng	nttcncccc	180
ctcatcccct	ctnngttgtt	ccttctgaog	tgtcagtata	ctctc		225

<210> 1750
 <211> 375
 <212> DNA
 <213> Mus musculus

<400> 1750						
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ccctnggggc	ctaggaggcg	gngaggagat	caaggaaaagg	ntgaanant	ggntgtgcn	120
cngangattt	cacangacag	nntgttcttg	cgggatncac	nctaagtann	tnantctttg	180
natgcctgtg	nacaaaatga	taantaancc	caccgatcng	cttcctgntg	cattctggnn	240
ggtnttggct	tagccnntca	gggtcacctg	gttatccaga	aatggcagcc	actggctacg	300
cgtgacgggt	caaatgtaca	tgtaagtacc	aatgaatgaa	ataaagacga	cgttcctggt	360
tcatccgggc	cacat					375

<210> 1751
 <211> 134
 <212> DNA
 <213> Mus musculus

<400> 1751						
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tcaccccnng	agnggangcc	atggtgcaag	nagggtncca	gaanagatca	tacactcact	120
gottgcctgg	acaa					134

<210> 1752
 <211> 314
 <212> DNA
 <213> Mus musculus

<400> 1752						
aactgagttc	gtcggctgac	tggatcatcc	tgaacatgga	gactctagat	ccatttatgt	60
cataccagcc	cottocattt	atgcacgaga	ggcctgatcc	tgccccttct	ctatcttgct	120
ccttctctat	catgcctgg	agatggagcc	tgaatgattt	tatttacttt	gtgggtgtcca	180
atctctacct	ccccctacog	actggagact	ctttgaaagg	gctttattgt	acatattgct	240
tatttataac	ctagtitttt	tcattctccc	agagacatct	ataaaggttc	ttattttgct	300
caaccaaaaa	aaaa					314

<210> 1753
 <211> 480
 <212> DNA
 <213> Mus musculus

<400> 1753
aagggagagg accctaccgn atctacaanc cagggggcag cacgcctctg ggagaggtgt 60
ccnnatnttt tgaacgtcta nccggaggng aatactcagg ctgaaggagc ccaactcatg 120
tgcattgtgcc gtttttgcct caagctcant agcaggacct gccccgagcc cncctgctcct 180
tgccccctctg tgaggagtta cggagagggc tttgtctcta gagcagaaga gaatgatggg 240
acggcctgat gctgtcatgc tctccactgc acctgtggca gcctcctgag agccaccaag 300
atctgggatg aaggccacac cagccatgtc tgctgaaggg cccagactg agatgactcc 360
ggcctccaca gtttagatgtt tatgggtgcca gaggtctata ttaaaggtag ctgtctgttg 420
ctaggcagcc cgtttgcaca aatcttgnac ataaatccaa cttgaagatc aaaaaaaaaa 480

<210> 1754
<211> 122
<212> DNA
<213> Mus musculus

<400> 1754
tgaggctctgg gcccgaagct tctgcctgtt ccctggcttc tatgtgggtc caaaagatgt 60
gtgtcctcca tattcaaggc tgcagacctc cagattcaga tgaccaaaaga acaagaaaaa 120
aa 122

<210> 1755
<211> 277
<212> DNA
<213> Mus musculus

<400> 1755
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gaggaaaatg aagctcccaa tcttcatagc agatgcgttc actgcgacag ctttccgggg 120
caatcctgcc gcagtctgcc tcttgagcgc cacattggat gaagatgctc atcaggacat 180
tgcaaggga atgaacctct ctgaaaccgc ttttgtccgc aaactgcaac caactgatga 240
cttcacacaa agtaaaattat acatttaaaa aaaaaaa 277

<210> 1756
<211> 107
<212> DNA
<213> Mus musculus

<400> 1756
aacgcctgtg ggccccttgt tctgacanat caaatcgngg ngnggggctg nngnacaaat 60
ctacccatct ctnttnataa attgactatg ccaataaatt aacatgg 107

<210> 1757
<211> 290
<212> DNA
<213> Mus musculus

<400> 1757
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cgacagagtg aagcctggga cattgtgaac gacagagtga agcctgggac atcgtgaacg 120
acagagtgtc tgccctaact tcctgtacaa ggttctgggt ttgaaccag caacaaaagc 180
aaaacaaaac caaaaatctt ggaaaatagt gtatcgatgc aaggatttgg gggcgctact 240
gtagaaacac aaccaaccag gtgggggggg ngaatgaata aatttgactt 290

<210> 1758
<211> 488
<212> DNA
<213> Mus musculus

<400> 1758
cccaccgcat aggataaatc tcatggnatn tgttttttgt gactttgnng ttncngngnc 60
cgnaacnaat cattgtinatc agttactcca aaatttttaca gatcacgaaa gcatcgcgna 120
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actaccnact cttccgcacn ctcttccttg nnatggtttc cttcttcacg atgtggaann 240
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nnccatccct tttcttctng ntgggtggcct tcacgtttgc caactctgcc ctaaaaccccc 360
atactgtaca acatgtccct tggtcaccaa ccnaatggga agaaaatttt ttttgctgcc 420
ttcttttttt ccagaaaaag gnancccat ttttacaaaa cacgncntnc angccaaaat 480
aaaccttt 488

<210> 1759
<211> 371
<212> DNA
<213> Mus musculus

<400> 1759
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taccanancn ttncntnttg tcantgtacg ctaaantcct ntgggggngc ctggtcgggc 120
cgtctctcat ccngtcacn tgnccatggc aagattctga agggattatc ggcaaaaaaa 180
gtgtgattgc agcatctgaa ccctcntnct aattgccgcg ccttaagatt ccagcatcac 240
cagcatcacc tctcttttct tcagtgtcat tcataaaagg ctgtnagggtg catacaccta 300
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aaaatgaatc c 371

<210> 1760
<211> 141
<212> DNA
<213> Mus musculus

<400> 1760
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ngtggacttg ncgacctant gctnacagct ctgacngact acngctaaca acttatcaac 120
aaancatcaa gaagcctggg g 141

<210> 1761
<211> 117
<212> DNA
<213> Mus musculus

<400> 1761
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acacgttctn gcacaagngc ctacacaaac ttctctgcagg ngaaggattt ctgcccg 117

<210> 1762
<211> 332
<212> DNA
<213> Mus musculus

<400> 1762
gtttcctttt ttgggcaactg cntcttggtg ntgatctnac acttaaaatg ccacctagcn 60
attgcaggnc cagggggnga cccccccca gatggaggct ggggncnnnc ancgttagtc 120
aggagccttc atttctattg gcttntacta tgcatttccc aaatnccatc actgtcttnt 180
ttaaagagat agaagttata tttagtgcaa ctnaccagng aantatcatg ganancatct 240
atcatgtttg gctagencat gtatgctgga ggnccatca gcantatctn ggttgaataa 300
ataccggaaa ngcnttcgag tcaataactc ta 332

<210> 1763

<211> 332
 <212> DNA
 <213> Mus musculus

<400> 1763
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 gtccgggaag ggccaggaag cnggggggatg ccagagcacc tgcaggcgct gtcccgtgt 180
 gcgcaggcgc acgccttcog gaggggtcgg cttgactggg gggagcagga ccgggggtcag 240
 cgtccgctct gccggttcat acctcacaca ctaagtcttc gtttgngact ctcattcatt 300
 cacatgttcg ctttcgccct caaaaaaaaa aa 332

<210> 1764
 <211> 333
 <212> DNA
 <213> Mus musculus

<400> 1764
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 aaggtttinat taanattctc atcatacttt tgaattttag aatgaatacc gtgctaatat 300
 aaagctgcct atatgcatgt gagaaaaaaaa aaa 333

<210> 1765
 <211> 161
 <212> DNA
 <213> Mus musculus

<400> 1765
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 acttcaagaa ataggaagat ccaagtgaga ccacaaaagg g 161

<210> 1766
 <211> 454
 <212> DNA
 <213> Mus musculus

<400> 1766
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 acccctgtag tcttctgcaa cagctgtgtg ccggctcgaa agcgtctggac atcgggtgacg 120
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 catgggttta agaccactaa tagtcataga atgtggggct aggttataac tcagtgggag 420
 aagggctttg cctagcatgc atgaagccct gggg 454

<210> 1767
 <211> 445
 <212> DNA
 <213> Mus musculus

<400> 1767
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agagacntac	atatacntcag	annntngttc	tnananagct	acntgttnat	ntatnacttg	180
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ggaagattcn	acngatgtcn	gtccncagaa	gatttgacca	ccnngccatg	ctgctntgaa	300
tgctacaagg	gataaagtcc	aaagccaaaag	aggctagagg	gccaaagtctg	cntaaaaatcc	360
tanatgaagc	actggggggcc	gtggctgctg	agaggagtca	ggtggnggct	gaggacatcc	420
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<210> 1768
 <211> 330
 <212> DNA
 <213> Mus musculus

<400> 1768						
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agttggactt	cccaagactg	tgtgtggagc	tggagattta	atcaaaaaggc	cttaagatga	120
gtgccttgtc	agagcacaaa	cattccgcag	tcccaaggaa	aatacaattt	aatgcaccca	180
gttaaattgc	ctgagaggaa	atagtgaata	cagctttctt	caagtctttc	cccctcaggc	240
cattcactaa	gaaactggtc	accaactgct	ggtttcttac	cctgttttct	cacctaaaga	300
atgctaata	gcttgagctc	gagtcctcaa				330

<210> 1769
 <211> 311
 <212> DNA
 <213> Mus musculus

<400> 1769						
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ctgggtngga	ggcccggcan	cangngacct	taacaaccttg	acnctgnagg	tggcccagnn	120
naancntggg	attgtanatn	aggtgctgga	ccancatctg	ctncctctac	cagntggaga	180
actactgttn	tagacccanc	antaccngc	ctacccctct	gccttgaata	aaacntttga	240
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gctgtactgc	t					311

<210> 1770
 <211> 134
 <212> DNA
 <213> Mus musculus

<400> 1770						
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gnagacnnag	ngctctcttt	tgccgttttt	aaagngaaac	atctgatcag	cgctcagatc	120
accatctacc	actg					134

<210> 1771
 <211> 279
 <212> DNA
 <213> Mus musculus

<400> 1771						
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agacgtcagc	aagccaaaac	agcttatctt	catcattccc	ggtaagtcca	aaagtcacag	180
gtttcctaaaa	cctctgggtc	cagagtgact	gccggtaaac	tggagaatca	caaataaaaat	240
taccactacg	aatgatggtc	acggttacta	aaaaaaaaa			279

<210> 1772
 <211> 239
 <212> DNA

<213> Mus musculus

<400> 1772

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atggaggatg	gatgtccna	ggaagagaag	cgggggctca	ttgtcccttc	catctactct	120
gccctttgca	tctctcctac	ccaacccttc	gtctgcatgc	ctcagtaacta	ctcaggcctg	180
aggacctgag	tcagtttcca	ggctcatgta	aggctttggc	ttcaataaaa	caaaataaaa	239

<210> 1773

<211> 470

<212> DNA

<213> Mus musculus

<400> 1773

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anggagcctt	attatgggca	tagntctgng	ctaangnctg	ngctccnnng	cacagtcttn	180
ntggcggn	ancgagannt	anatctgaan	gcctggcttc	ctgtttccct	tgtagggcgt	240
tcanatatnc	agtantctnc	tttctgtgtt	ggggacctnt	ggcagnccat	gcaanttgng	300
cacacacata	gctatgtatg	tctccaaaca	tccaccagag	ggcaggngat	acagttnaag	360
aggccttgtc	tgcacaacac	cngcctggnc	ctgaagctgt	agccccaacc	tccgcccattg	420
ctcctccatc	ttaagagctg	ggagctncag	atacaaaactg	ggggacaact		470

<210> 1774

<211> 170

<212> DNA

<213> Mus musculus

<400> 1774

gactgaggtc	ccccgtctca	gccagatctg	ctcaccagtg	aatcaactaa	gaaccctgga	60
tggtgaagag	agaggagact	atagtaaaga	atccagggtat	gttagaggaa	ctgaacaagg	120
ggtgagggtg	cccttaagtg	acaataaaaa	gagaatgtga	aaaaaaaaaa		170

<210> 1775

<211> 329

<212> DNA

<213> Mus musculus

<400> 1775

gactgaggag	aactatgata	agatgaaagc	tttagtgagt	caacttcatg	agcgagccca	60
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gntccncaca	gacanaatcg	actntctnat	anaccaggn	tgggtctagc	gctttgtacc	180
tcagcgtgtc	ttctgtgncc	ctggacagtc	cnattaacaa	atgcttntaa	ntttgggntt	240
cttaaaaaaa	aaagtgactt	gatgaattgc	acataagagc	acaataaaaag	tggccataag	300
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<210> 1776

<211> 188

<212> DNA

<213> Mus musculus

<400> 1776

ctgagagcct	ctctcttctg	acgacatgcc	cagctgtatc	acaggaggag	agtgttaagt	60
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acggccacct	ctgaatgctg	tgatacagtg	gtaacatggg	aaaataaagt	ctagctatta	180
ggaatgaa						188

<210> 1777

<211> 358
 <212> DNA
 <213> Mus musculus

<400> 1777
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 cgccacacaa gagaaaggaa ancggtcnac gnggncctat gcaggtagtc cacatgctag 120
 gaacacctga ggcttccttt tcagggatgt gccacanact agnggnaaag atttcttgna 180
 ctaattgctc naagaaaagc actcacagaa aagtaaattt accccttcct taaaagggtt 240
 catcacttcn tattttattt agagacaaat acaaattctt caaggatctt tcttgagcan 300
 agagatatth ctctnctcat ttttaactctt aatcctttgg gactagggtta aagcatag 358

<210> 1778
 <211> 579
 <212> DNA
 <213> Mus musculus

<400> 1778
 cacacttttta cacttttacag actatnagaa nagntagagg ggogaagttt aaaaatgaaa 60
 ctgcctctga ccttctgcag gctgcttagc aggttaaaca gattttctgt aaaagcaagc 120
 cctcctgtga gtttctccac ttctctttat ttgtgtagcc agaagaagaa aaactcttac 180
 gaagcagtag accaagcgaa gtactctcgt ttagtacgct ctgtcttggt cagaggcccg 240
 gacnngactn cnnagncgct gtncnaggnn natgatggct gtatggacca gtgagtaagc 300
 ataaggctgc agancccgag ccacagggcg gagtcccaca acactgcttt cctatcttca 360
 atgaagagag aaccgggaaa ccacacacag atgcttcttc aagccctttg aagatccctt 420
 tgcaaaggaa ctcgataccc agtgtgaccc gcatccttca gcagaccatg ccacctgaac 480
 agagcttctt tttggagagg tggaaagagc ggatgggtct ggagctggga gaagacgggt 540
 ttgcagaata tactttcaag taattatctt gcttctggg 579

<210> 1779
 <211> 397
 <212> DNA
 <213> Mus musculus

<400> 1779
 actgagtgac ccattggagag tggttaatggc tatttaatga agtacaccaa ccttgtcacc 60
 ggggtggcagt acagggnttt tggttttaaac aatgaagctg ggctgttgga gtactttgta 120
 aatgaacagt ctanaaatca gaaaccacga gggactttgc agcttgccgg gggccgtgat 180
 ctctcccagc cgatgangac tcgcacacct tcacagtga tgcgcncagc ggggagcagt 240
 ataaactcag gagccacaga tgctagaaga gcgggcagca ttgggaaatg taaacactga 300
 agaaagagta ttgaactaaa aaagcagcaa tctgcattca ggggnaaaaa attgggtttt 360
 tttatgaggg nantttttatt ggggggttga aagaaat 397

<210> 1780
 <211> 629
 <212> DNA
 <213> Mus musculus

<400> 1780
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 tgcactgttg ttctagatct gaatgagatc gcgttcacat ggacttcagg tttctgacaa 120
 cactgttttg agtaatgtat atatgggtctc tgtaatgtag aggtacttca gttcagatgg 180
 ggaaagttag gtttgcttta gaggattgca gaactgtgat gtaattccag agaatgcttg 240
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 ctgcatactc agctataatt tttagaggga ctataggttg tctgtggact acatgtggcc 360
 ggctacttgc taattaaaaa gggatttcag acatctatgt ggatggtagc catcttagga 420
 cagcttagaa tgttttaggat attgcttttt aaaagcaaag ttttatataa aggttcctat 480
 aatggcccag atagtaatat taatactgct ttggnttgca ctatgttgct tttgngtgaa 540

aaatagtga	ctttgggtt	tttgggtcat	caaataaatg	actttggtat	attncaataa	600
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<210> 1781
 <211> 442
 <212> DNA
 <213> Mus musculus

<400> 1781						
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aggttcaaca	acaacgacag	aaggaagagc	cacataaccc	agggacttgg	acctccagca	180
ctcanaaccc	ggcctagacc	caaggctctc	tggataaggt	ccaggtaaac	tgcccgagg	240
acacttctgt	tctccggaag	ctttcgatgg	aggcctcagg	aaaaagcaga	caagaaaacg	300
ctagcggctg	gcaacaaagg	ctatntnant	nccaactatn	ggaatgttct	actgnatnac	360
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gacatacctg	ccccatgcat	aa				442

<210> 1782
 <211> 496
 <212> DNA
 <213> Mus musculus

<400> 1782						
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tatcgccctca	cagatacgga	aagaggagaa	ctaggaggag	gaggaanaga	cattagtga	120
catngttccn	aaanggaaag	ntctcaacat	cacagaattg	gccctgngga	ctccaaccct	180
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cgtgggtgac	ccctnanaag	acatccaggc	agaaggtttt	gagggcgagc	tggagccgag	300
ggggggccgat	gaagacgtag	acacgttcan	gcaggagagc	caggagaaca	gctacganat	360
agaccaggga	aacttgaact	ttgatgaaga	accgtcagac	ctccangatt	aagatagtgg	420
nggcagaaga	ccananacac	accaggcgctg	ccttanttaa	caccagtcag	ctagggctgg	480
tatccaccac	ctgatg					496

<210> 1783
 <211> 610
 <212> DNA
 <213> Mus musculus

<400> 1783						
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ggaccaccag	ctgtggattn	tggcaccaaa	ctcaggctct	tgggaagaac	agaaatgttc	120
ttaaagactg	ggccatctct	gcagccctgg	gttgttttgt	gtctgtgaag	caagcatccg	180
accgaccgag	ctccatccn	agnacactnc	acgtctcttc	ctcctctcag	cctcctgagc	240
gcctgagttg	cttccatgtg	ctggctgcaa	caacgctgat	aaaaaatgag	aaaggaaaat	300
nanggcngga	gnnctgtttc	ccccttttta	ttattttacc	ttgtgtgata	caaggccttg	360
gaagcaggac	ctcactacta	gctactcaac	ccactgagaa	ccatcccaag	tcttcctttt	420
actctttgtt	tcttcagata	ggagctcact	aagttgccta	ggactggcct	ttaattaatt	480
ttatagccaa	acaagccng	actttacaat	ccttcagctt	ngnctccca	gtaactctat	540
tagagccctg	caccatcaga	cccagccttn	ctgnctctct	ttggntaaag	gctgcaagta	600
aaaattgctg						610

<210> 1784
 <211> 260
 <212> DNA
 <213> Mus musculus

<400> 1784

tgaaatgcct	gagatctgcc	cctgccgaga	tctgaactgt	cttcctgaga	gattcctgaa	60
taaactgcca	gcctggcagc	ctggaatgac	tccaggcacc	aagagtggaa	ctggcgactt	120
actgctaacg	gctctggcgg	actagtgcta	acaatgtggc	aacaaaacat	caagaancct	180
ggcatggcag	gggatgggct	tcccccttt	ataacacaga	ctgctantaa	acattgacct	240
tgaacaggga	aaaaaaaaaa					260

<210> 1785
 <211> 555
 <212> DNA
 <213> Mus musculus

<400> 1785						
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ccatatgcaa	aaccctggac	cagtattttg	agttcatcca	gtctctgcca	tccctcgata	120
accagaagt	ctttgggctt	caccocaatg	cogacatcac	gtatcngagt	aacacagctt	180
ccgacgttct	tgaaaccatc	accaacattc	aaccgaaana	aancgggtgt	gggtgtggcg	240
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actatgtgcc	tcatgaggtg	aaagctcgct	tgatgaaaat	gggtcncctg	aactcaanga	360
acatatctct	tagacaggaa	attgacagga	tgcagaaagt	ctctcaatcc	tccgcagcag	420
cctgagtgc	ctaaaactgg	ctatcgaagg	gacgatcatc	tgnagtgaga	aattgaaaaa	480
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ggaatcccc	cccc					555

<210> 1786
 <211> 429
 <212> DNA
 <213> Mus musculus

<400> 1786						
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gagcgtttag	aaggaggggc	gacagtgcct	aaactgcaac	caggtcttcc	agaggccgc	120
tttggttcgg	gaacaccaga	aaagaatgcc	aaagctgaac	ccagagtggg	tggaggctgc	180
aggtcccggg	gctcctccag	catgcccacc	agcccaaagc	ccctccttca	gtcccoctaag	240
cccagccctt	cagcccggcc	ttctatccct	cagaagccaa	gaactgcctc	ccgacctgaa	300
gacaccccag	actctccatc	tggtcctagt	tcccctaaag	ttgccctcct	tncacccatn	360
cttaaaaaan	gcttcttcgg	acaaggagcg	tgacggccag	aacagctcac	agtccagtc	420
taggagctt						429

<210> 1787
 <211> 276
 <212> DNA
 <213> Mus musculus

<400> 1787						
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gcccacccct	tcaagtgata	tgaccgtgcg	taaagagtnc	atcactgcaa	agnatgtcga	120
ccaccgcttc	tccaggaaga	cctgtgcctc	ttcctcagca	aagctgaacg	aattgcttga	180
ggccatcaag	tccagggact	tacttgcat	aatccaagtc	tatgcagagg	gggtggagtt	240
aatggagcca	ctgctggaac	ctgggcagga	gctcgg			276

<210> 1788
 <211> 432
 <212> DNA
 <213> Mus musculus

<400> 1788						
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tccattcaac	tgaatgctta	cgggtgactgg	ccctagagcc	atgtgccctt	gacagggttc	120

acagtacaaa	agacaacgtg	gttttttcac	agggaccaaa	caactacacg	cgccccagtgt	180
cacctgatac	tgtccactgc	accgccatca	caatgaattt	tccagaaaact	aatacaaaaa	240
attgcttctt	tanacactnt	ntttgngctt	aacctcaata	accgtcggga	gatggcaaat	300
taacgcaatc	caatttttaa	atgatgccgg	ggcacatggg	cttcatccac	caggaagcac	360
atctggatct	ccatcactac	tagcgaatca	ccagaataaa	ttctcgggtc	cttcggcgcc	420
gtgcgcgaca	ca					432

<210> 1789
 <211> 192
 <212> DNA
 <213> Mus musculus

<400> 1789						
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agctatgcac	ctgaagccat	agttttcttc	tcaccanaag	tgatggttca	gtcgtgaggc	120
agccctccag	caagacattg	taaaagtgtt	tcaattgttt	aataaaaagg	caagtatctg	180
gaaaaaaaaa	aa					192

<210> 1790
 <211> 437
 <212> DNA
 <213> Mus musculus

<400> 1790						
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ttcttgaatg	cggtccaggc	tgtgtttcag	gaagggccct	gcgtctatgc	agcgtctgac	120
ctgaggaagg	ctggaaggc	ttcaggatag	taagtcagct	ctgcccagag	ctgggatctg	180
gcccactacg	aatgctgtga	ctcacatggg	tgatgctgta	tgcctaagca	ctccaggacc	240
tggatccctt	gctgtgaggt	caacctggga	ctgaaaaaga	acaaggatca	gctcagcagg	300
atgaatgact	ggagagagaa	ggactgactt	gtccttgatc	ccatoccaac	acctcctgtg	360
gccctgcctt	ggttcttcta	gccttgccct	ggcctcatgc	ccaccctctt	aaatggtgta	420
cctgccagtc	caagatt					437

<210> 1791
 <211> 318
 <212> DNA
 <213> Mus musculus

<400> 1791						
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cacataaaga	ctcnggagag	actnaggcat	caggcnccac	ctcccctnga	ggaactgata	120
aacatccana	nnanncnatc	tnnctntctn	ccaccctctn	anagcctgaa	tntgagcctg	180
tggntgcttc	aggccctatg	catagagctc	ggctggtgaa	ntccaagagg	aanaagccca	240
ggggactctt	cagnnaactc	tccatgtctc	anccaccacn	aagagagcaa	aaccgcttnc	300
tagcatcacc	tgaagga					318

<210> 1792
 <211> 330
 <212> DNA
 <213> Mus musculus

<400> 1792						
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tgcanaactct	ncaccggcgc	cagagacccc	agcanaagaa	gatactgaaa	atatggttcc	120
tgattgcatac	tgattgnact	tttaattcta	taccaggggg	atacagggga	tataaaactg	180
gtaaatataa	atctatatgt	atcattgcct	accagaatgc	aatttgacca	attgtataac	240
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aatngcttgc	tcacagatct	tgacataatg				330

<210> 1793
 <211> 441
 <212> DNA
 <213> Mus musculus

<400> 1793
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 ctgtgccctt tacaccggag ttgaaaccta aaagagcatc aacttcaagg aaaaccaaga 120
 ccacaaatgt cgtggaagaa aacaaagatg caagtaccat accaattcct gaaaccaagc 180
 cagaagatgt taaagacgaa tgcaacatgg aaaatgctga aaatggagaa gccaagatta 240
 tggaggcacc cattcctaaa atggaagctg aggaagtaaa agaacagata aatgaagaca 300
 ctgaagaaga tggaggagaa aagaaagaag cagtggcagc agaagccaaa gatgatgagc 360
 taaaagcaaa cattcaagat gtggagaaaag atgaagatgg aaaaagagca caaagataca 420
 ggtgaggagg tggaagacgg a 441

<210> 1794
 <211> 125
 <212> DNA
 <213> Mus musculus

<400> 1794
 ggccctcagga ctccctttgt ctgtcactct cangatccca gccctggctc cccaaagtac 60
 ctctacaccc tccagctttg ccttgacaaa gaaataggga gtccaaagca agtcaaaaaa 120
 aaaaa 125

<210> 1795
 <211> 176
 <212> DNA
 <213> Mus musculus

<400> 1795
 cagggcaaac gaggaccaca tggcagaaaag gagaactgaa gaatccaaag ccccagtgta 60
 cacacatctc ttctgactnt tccagcaaaag acgggcctgt ttttccacta tgcccggtac 120
 agaacngang gtcatnaggg tcanttccaa cccactttcc tcatgtgcac cctgcc 176

<210> 1796
 <211> 329
 <212> DNA
 <213> Mus musculus

<400> 1796
 acactctact ctgatacttc caatttgctg ttcttgcctga actctttgga tcttggacat 60
 cngaagtgcc ncacgatatt tgttttctgg gaaagaacat atgtagaagn gtgactcggt 120
 atnagacctn accctctgtn acattccata gtggtttttc tatnactata atgnaccgta 180
 tnngnatca atcgagcgca tggcatttgt gaaaagaatt tctnaacct taanctgtga 240
 acattcttat tggaanancg gcntnccaaa cntatganct ntgngcagnt cactgttctt 300
 gngggttccc nagaaattgg agtggctctg 329

<210> 1797
 <211> 393
 <212> DNA
 <213> Mus musculus

<400> 1797
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 tagatgcagt ctgtgtccag tccacgtgaa ctagcagccc actctgcact ggccagtaaa 120
 ccatgccccaa gacaccatgg accacgaacc taatgcgctt gtttcaaccc tacatgagga 180
 ccctgtctag gggaggctgg gttctccagc aagaaggcgg atcctccaca ccagcccttg 240

tgagctacat	gaggagggag	ggcagacagc	aggaacttcc	ttgaggctgg	aaatggagcc	300
taacaaatga	gagatttcag	cagtgagaag	cctaattaag	ccacctgggt	cttttggccc	360
accctaccc	cagtcattc	tgcccgtagg	ccc			393

<210> 1798
 <211> 208
 <212> DNA
 <213> Mus musculus

<400> 1798						
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tggtactgcc	cacggtggac	agctgccctc	ctacctcaac	taacaattaa	gacagtagcc	120
tcatggagat	gcccattgtc	tatttanngc	aggtctccca	ttgaggttcc	atctttcagg	180
tgacctctag	ggtctgttag	agtgccta				208

<210> 1799
 <211> 150
 <212> DNA
 <213> Mus musculus

<400> 1799						
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ggcttcccgt	taaaactttt	cacgttngac	atcttccctc	tcgggcgggt	gggggaccac	120
cggctngcct	nttnttcgga	aaaaaaaaaa				150

<210> 1800
 <211> 133
 <212> DNA
 <213> Mus musculus

<400> 1800						
gagggtcct	gcaccaggaa	agaacaatca	gaggtaaatg	atgtgaggag	gtggatggag	60
gtacccaaca	cctgtcagtc	tccttaatca	gcctgtatct	atattaaaga	ccactccctg	120
ctaaaaaaaa	aaa					133

<210> 1801
 <211> 229
 <212> DNA
 <213> Mus musculus

<400> 1801						
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tttcttccca	gcaactgcaa	ggcagaggca	gaaggatcct	gagttcaagg	ccagtttagg	120
ctacataaaa	agttatganc	tactctggnt	tacggagtaa	gananactna	gncctccant	180
atccttacc	cccaaaaaaa	gcaggagcaa	attctgatca	aaaaaaaaaa		229

<210> 1802
 <211> 187
 <212> DNA
 <213> Mus musculus

<400> 1802						
cgaaaaatcag	atatccagag	atcagaaaaat	gataacatct	gaggatcggg	tccaagaagg	60
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tganaaaaaac	tgcattccat	tgnnagctgg	agaagtancc	agctcagaaa	tacataattc	180
aaaggat						187

<210> 1803

<211> 164
 <212> DNA
 <213> Mus musculus

<400> 1803
 actgagagag gatggctgcc tttggcgagg ttagaagcac cgccctggaag cccatcgctc 60
 gggaggtaga gttaggagtt caaggctatc ctttgccaca cagtgattct gaggccacct 120
 tgagctacgt gggaccctgt ctcagaataa gaccaaaaaa aaaa 164

<210> 1804
 <211> 252
 <212> DNA
 <213> Mus musculus

<400> 1804
 aggcccgctg aaattagtag ccnaaaagaa ggactcaggn tntcantncg gncttcaaaa 60
 aacaagcntn tggggaactg gagctggagg gagctaagct ggctggagat gatttgcatt 120
 taaagagaaa gtagccctct ttggattccc tgggagcggg gccggaggag agtacttccg 180
 ttgatttaac agttcccctt tcctacctcc cacaagaact aaaggagcac tgttagttac 240
 cgggaaaaaa aa 252

<210> 1805
 <211> 252
 <212> DNA
 <213> Mus musculus

<400> 1805
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 ggagcaagtg cggaggcnat cctgaagctg ctgaggaagg aanatgggtg ngctnncctc 180
 aagctctttt gctgcataa tgcnccgaaa atatgagagg atcctgaaag aattctcttg 240
 cagagagcac at 252

<210> 1806
 <211> 298
 <212> DNA
 <213> Mus musculus

<400> 1806
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 gaaagaaacc ctctnctccc taagttgttt tttggtcann tacgctggna tagtttgatt 120
 gtcaaccgtg angccgagct ggagtcattg gagaagtggg aaccccnagt nagaaaaatg 180
 tctccattan tatcntngct aagggttgan cnagccttng nggagcaant actngtnann 240
 nntcaagtaa nctcccctcc gtgnccctctg taacatnctt ccctgggttt caaatctt 298

<210> 1807
 <211> 230
 <212> DNA
 <213> Mus musculus

<400> 1807
 gagtcagacc ctggaagcaa ttgaagacat gcatgagaag tccatggagg gtttgatgaa 60
 catggagacc aacaactacg atatgctttt tgatgtagat agtgaagaga cattatgaag 120
 catactctga agtactcttc tcctttccca tcttcagact aatgaagcat acatatttct 180
 cacttgctgg tacattgtaa ccaaataaaa aattcactaa caaaaaaaaa 230

<210> 1808
 <211> 446

<212> DNA

<213> Mus musculus

<400> 1808

agggaacttt	caggagcctg	gcgcgcgcgg	gagaaagctt	gtcgtggtgg	acttctctgc	60
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tccaatgtgg	tgttccttga	agtggatgtg	gatgactgcc	aggatgttgc	tgacagactgt	180
gaagtcaa	gcatgccgac	cttccagttt	tataaaaagg	gtcaaaaagg	gggggagttc	240
tccggtgcta	acaaggaaaa	gcttgaagcc	tctattactg	aatatgccta	atcatgctct	300
gaaaagtgt	accagctacc	agctgtttta	aacctgtacc	ttttttaatt	tgcaaaaaaac	360
tatgaagtgt	ggagagtcta	tacccaactg	ccatctgatt	ataaatgaca	ataaaatatt	420
aattctaccc	tttttaaaaa	aaaaaa				446

<210> 1809

<211> 193

<212> DNA

<213> Mus musculus

<400> 1809

tgagtgtaca	ttttggaacg	ggaaaggaag	acgaacacgg	atgccgggtg	tcaggcagtc	60
ctggccgcgt	gctgggctgc	gctctgctgt	tgctgcctcc	tggaacagctt	ggactgagta	120
gccaagaccc	agttctctcg	cagccgctgc	tcctgttgct	gaataaacia	ctagtgttac	180
acaagaaaa	aaa					193

<210> 1810

<211> 278

<212> DNA

<213> Mus musculus

<400> 1810

agccaatccc	agacctgctg	taccacccgat	gtggaaaggc	atttaacctt	gctacacact	60
cccctgcttc	ctgactagct	tggttggccc	actccctcac	ccacctcctt	ttccctccat	120
atgaagctgg	gaggggtgga	attaccacag	aaggagatca	cccagagatg	cttgtcagac	180
actcaggcaa	atctaaccgc	agctccctaa	gggagacagc	acccgagctt	gaaggatccc	240
ttaaccacaga	gctcaatggc	aagcacgggg	ggggggggc			278

<210> 1811

<211> 328

<212> DNA

<213> Mus musculus

<400> 1811

actgagccc	ggtcttgcat	gcagctgagc	ctgctgnccg	cagttntntg	gaaacgtgtg	60
agcggnggct	gaagccccac	cacctgctgg	accctcagna	tgaaggaanc	cctggngctgg	120
atcatggttc	accagaatgg	agtgcacaga	ggcttccagt	cgctcttctc	catctcccag	180
gcaggaggac	agatgcaggc	aagctaccac	tggggccagg	acctggctcc	cagacgcccc	240
ctgctggacg	tctctctggc	ccctacttctg	gattcctgcc	cctaccgcag	gcgtgagcag	300
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<210> 1812

<211> 321

<212> DNA

<213> Mus musculus

<400> 1812

tcgaggggaga	tgagaactca	cctaccatct	gaaagtctta	aggtttgctg	acagacaaaa	60
ccgggctttg	aatggagcgt	gaactcctga	ggcgagcatt	ggcccgagag	agccgaggat	120
gcagggtgtt	gtctgatctt	gatttcagg	acttttgga	tacagaatac	cagatgtgtt	180

cctgctgccc agccccacaa ggctatgcag aatgcaaaga agagttactt tttggctggg	240
gagtagtggg atcatgtgca ctattgctgg aaataataaa tattggccta tctgtagaaa	300
taaaaatctg actaatgata a	321

<210> 1813
 <211> 285
 <212> DNA
 <213> Mus musculus

<400> 1813	
gocccacatg agtcaccgtc catgctgccg tgtgggctcc tgcctctgga ctttggctca	60
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agagctgaat tgattgccc acccttcacc tgtgccatct cttgacaatt gttactggaa	180
agcctgccct gtcacacctg ctttcagttc ttgtggctct tggatgaaag ttctgctatc	240
ttgtgcccc cccattaaa ggactgcctc ccacaaaaa aaaaa	285

<210> 1814
 <211> 412
 <212> DNA
 <213> Mus musculus

<400> 1814	
gatcccgga accccaaacc acaaaggga aagacagaag ccgctgacct accagctgag	60
agtccgacct ccacctccga cccctgaggc tgagcaagac gaggctgagc agaagctggc	120
ctaacacaca cctcagccat catctgattt agtgatctaa gaagagattc ctcaaagaga	180
agcggattcc tcaaagctgt cctttaagtg tcacacacac tgaggatagc tgttgagaag	240
gctgatctga ctccatgaca ggcttcacac tggcagttca ggagacaagg cctaactctg	300
tttccaagaa ctgagcaagt ccaggcaagt cccaggcctc agaagctgcc ctggcctgag	360
gcaaggacaa cgggtcagca gcagtttcca gacttcccag aaacagtttt cc	412

<210> 1815
 <211> 185
 <212> DNA
 <213> Mus musculus

<400> 1815	
gggaccaaatt tcaacttgga aactccttca ggggaaactc tgccatcatt caaggaggaa	60
aatggcaatt ttcacaggat tcagnatctt tctcgtcttc ccttaccttt tacattaaca	120
tcacagttaa ttttgtgttt tgattcttaa aggaataaag ntaatggaaa tggcaaaaaa	180
aaaaa	185

<210> 1816
 <211> 322
 <212> DNA
 <213> Mus musculus

<400> 1816	
agctgcagac aggaggagca gcgagcggtc accagntct acgtgccatg cattcacatg	60
acnnocatcc tcatatgcta accagcttct ttaagatgta tggagtgact cgcancgggg	120
ccacgnanat gaggaactnn cgaatggaga agaccacatn ctngtgcac nngnttcatc	180
nccttcgggt ncagctnagg cncgagacct tngatccgga acattgcanc gtctctgcct	240
ccaaagcttg caagcagcag cctgctctcc tccagtggcc gccctgcacc cggaaccaat	300
aaataaatct taaaaaaaaa aa	322

<210> 1817
 <211> 387
 <212> DNA
 <213> Mus musculus

<400> 1817
agaatgacag aagatgctct ggcgcctgaat cttttgaaga ggagtttggg cccagcagat 60
gagcgagatg atgttctggc aaaacgactg aaaatggagg ggcagtgagg catggaacgg 120
ctgaaaatgt tagcactgct caaaaggaaa gatttggcaa atcttgaggt gccgcatgag 180
ttacctacta agcaagatgg cagtgggtgc aagggttatg aagagaaact taatggaaat 240
ctcaggcctc atggagacaa caacaggact gctggaaggc ccggcaaaga aaacatcaat 300
tgatgagcct gtggatattg agtgctagac gggaggtatg ngaacagttt tancctgcctt 360
taanggattt gggctcgtctt aaaaagt 387

<210> 1818
<211> 160
<212> DNA
<213> Mus musculus

<400> 1818
ccccccccc agccaaagca gggcatgttc catgangacn ggatcanctc anttgagggg 60
gcaaaaaaag ggganccctg gctgggttnt atganaaaaa cttctcgnat ctggnccttg 120
anaaagaaag gccttttatg acaattgggg gaacatacaa 160

<210> 1819
<211> 121
<212> DNA
<213> Mus musculus

<400> 1819
ttttcacatc cctgaaaaag agnctccctt ggagccaaag acttaagaga attggacaca 60
aaaacccgca aagangtgga atcaacagtt ngtggggcaa gcaaaaactt gtccttcttg 120
g 121

<210> 1820
<211> 384
<212> DNA
<213> Mus musculus

<400> 1820
tgctgtgacc tgatagcggn tcngnagcac atgggaaggg accccgccag gggcggtngc 60
cctcctcggc gctggccgnc ggtgctcaag cacagntcat cgngccgcc cganagcgcc 120
caagtccaag gctaccgact tcaaccngg ccgtacatta ccattgcngc ttctggacgc 180
ctaccgcacc acccggttc caggctacca acttcgggcg cgcggtngca aanaaagtca 240
acngcccatg attgnnaana aactggaagc cacctgggnc tgnnnaatga atatcattna 300
cgncaaact tgacttcaa ngtcgccggc ccaactttaa caaagcttgg cnaccatttt 360
ttccttntgg ggctttttta cctt 384

<210> 1821
<211> 620
<212> DNA
<213> Mus musculus

<400> 1821
ttggtgagcc gagagggatc aggtgaggca agtatggggc angctgttga ggagactttg 60
ggctctcact ctcggggagg tgatggatcat tcttgaact cctccccca caccagcct 120
ttctcccat gagctcatca cctcttcac ctatcccagg taccacggcc cttaaggcag 180
ggcagccttg agctggatgt ggctgcttgc aacttgtctg tgctgtttt taaaattggg 240
acagggtctc atgtagccca ggttggtctn cagctcactg ttagccaag actggctgtg 300
gacttccgat cctcctgcct ccacttctgg agtgccagta tctgtatcac aggggtgtac 360
caccaccacc tgtottgaaa attgccatga atgacatagt tcacatagcc atgggtggcc 420
aaggacactc ctgggtactc ttactgcac ttcccttgaa ggactttgct aaaatcctgt 480
ggagaaataa gaaaaatoca atacggnaca aactgnattt atatgtgtct gtgntgtcaa 540

tgaggggggtc	tgtnacctcc	tnttccaann	gtgggggtgct	gtctgacctc	tttnttntnc	600
aagcccacgc	caccgcccga					620

<210> 1822
 <211> 260
 <212> DNA
 <213> Mus musculus

<400> 1822						
ctaggtgagc	agtggactcc	cattgagcct	aaacccaagg	agcggccaca	ggttgagggc	60
accatcaagc	aaccacctac	caacccccca	ccccggccac	ccgcagaggt	ccgaaagaag	120
ccgagtgaag	gtgaagagga	ggcagcctca	gctggaggac	cccaggttaa	cccaatgcca	180
gtgacagatg	aggctcgtgtg	accttcagtgt	gctgtctaca	gctcctgctt	gagttttctgt	240
ggagttgtcc	ccccccccc					260

<210> 1823
 <211> 593
 <212> DNA
 <213> Mus musculus

<400> 1823						
caccacagaa	cggagatoga	tcattntcaa	anattncnt	gagtgaacct	gcctnnnagc	60
tatgtogata	actggctagg	natcttnata	actngttcag	atntgaatgt	gctggcccca	120
nnctcagaat	ggaggtonga	nactctggat	gagancgtct	ccacgtgttg	aaggaagggc	180
annnngctca	agattontcc	aanacnacct	gatcanggcc	ntcnagaact	naaagccctg	240
ggctctggat	tongcatcnt	ccctgtggga	gcactacctc	anccantctg	ttccgcnnag	300
ctcaatatgg	atcanctntt	gtgctgcagc	nggncgacaa	aaacggtnng	tgaccgtcag	360
tganatccca	ccagtcttaa	tgggagacog	aacgacncgg	cnantttctg	aacacctgct	420
ngatggaatg	anccggcctgc	gttggtatctg	ctgctccnag	ggangccccc	ctactngctg	480
ccntctcttt	tactcagaac	tctaccccaa	ggagatnttt	cctnaagnag	ccanagaaan	540
cttcccntga	atnanttttg	angggtnaaa	ccaccaggcg	caacaatcct	gtt	593

<210> 1824
 <211> 395
 <212> DNA
 <213> Mus musculus

<400> 1824						
ctccgatgag	acgccnnngt	gtacctacgc	tctctngact	tgggttgatc	tgactgctgt	60
cttgggtatc	acgntgaag	acatgnctgt	gtcntgncgt	antaatggac	tcgnccgtct	120
ggacaactat	cagaaaactc	caagcccaca	catctgaacc	tactggcant	ancctgaang	180
atacngcacc	tgggagccgt	tgaaaagggt	ggattgtctg	anaacctgga	tctgtttggc	240
tgtgaagtcc	taaccggant	gattaccgan	aactgtcttc	ngctcctgcc	cactntccat	300
ctggatggct	ataacgagaa	gacaggaacc	nctganccat	tggagtnata	tgtaaagaac	360
cccgaaccaa	atggacagtg	gatgggtgga	ctcga			395

<210> 1825
 <211> 421
 <212> DNA
 <213> Mus musculus

<400> 1825						
ggtttgccag	aatcaaaaaat	gtgtagcaga	cactttcttg	ggctatgatt	gcaacctgga	60
aaaatgcaac	caccatgggtg	tatgtaataa	caagaagaac	tgccactgtg	acccacata	120
cttacctcca	gattgtaaaa	gaatgaaaga	ttcatatcct	ggcgggagca	ttgatagtgg	180
caacaaggaa	agggtgaac	ccatccctgt	acggccctac	attgcaagtg	cttaccgctc	240
caagtctcca	cgggtggccat	ttttcttgat	catccctttc	tacgttgatg	tccttgtcct	300
gattgggatg	ctggtaaaag	tctattccca	aaggatgaaa	tggagaatgg	atgacttttt	360

aagccaaaaa ccatttttnaa agtgaangtg aatccaaaga ctantctgga cagattccac 420
a 421

<210> 1826
<211> 234
<212> DNA
<213> Mus musculus

<400> 1826
agacacaacc ccttccccgg gatccagntn cactccngta tctctnataa tccgttngct 60
atcanaaacc gagatgaact gnnatgaanna caggacttcc atagtctggt catntactcg 120
accagagtn ccttntccag gttattgtnt accaatttgc gacgttccat ctctgtctgn 180
ttctgntcac caatgaagtc atgcccgtgc aggtatcagc tctaaaaaaa aaaa 234

<210> 1827
<211> 332
<212> DNA
<213> Mus musculus

<400> 1827
cctagccaga ctggccttaga ccatccgcca ctgagttgga gccacctgct gtgctgattc 60
tcatncatct cctttgatat gccactacct gcctgaggct taaccggctc tncaagatct 120
tccggagtta gctgcgaact gtgactctac taaactgaga gttcctacta annngctgat 180
ctgacanctt naaaggaact ttgngtgacg gggaatgggc ctccccctctt ctttatagag 240
cangttingct gacattanag ttgaacctga gcaggaaaaa cccaacaaan tggaacaata 300
aattccctctt gcttttgcac tgattcccaa aa 332

<210> 1828
<211> 498
<212> DNA
<213> Mus musculus

<400> 1828
actgaggata tgacattaca actgcccgtg ccagcaccac agagtaagca gtccagatag 60
ccgccacccg agggctcggg agcgtgcct ccacttgctt gatgctggca gtggaaccca 120
ccatggatgg ggaattccct ccacatgagc tcccacccc tggaggtggc atccagctac 180
agaaccgact cctgcactgt ccttggtggg gcagtttctc accgtctttg taccacacct 240
tctccagtga aaaccaacag ttctgtgggt ccacccatt ccttggtggc cagtcttgcc 300
ctgaaaccag ctaccccacc acaagccacc gtcccagct tntntccaa gaacaagcga 360
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agccgcaatg gtgaactgaa caaataggga aaagctgaac acaacaccca tcaacactgn 480
atgggtggga gcaaactt 498

<210> 1829
<211> 377
<212> DNA
<213> Mus musculus

<400> 1829
tgtttttctc ggacagaccg attactcaga cacaaacgga tgtgccaagg atgccagtcc 60
aagacttctg aagggcagtt ttctctatag gcacaaggg ccctaggtgg tgggagtgct 120
gaggagaggc tntggaanag catanccctg tgttctgacg gtncnaccan cactccctct 180
gaacctgtcc cccttccatg aggaccagcc ccaggttagc anaagagcgt ctgaggacat 240
cggntncaaa gcccacactc tgtaaccagt ctgaggctat gaggtatncc agggacacct 300
gcagcattct tgggcaagg agctggtntc tgaanctcag ctgagatgag gtggngactt 360
naaggtgcaa tgacca 377

<210> 1830

<211> 216
 <212> DNA
 <213> Mus musculus

<400> 1830
 atcgaaggat tccttcagtn acattcgact agatgaatgc cagggacccc cacttcagtg 60
 ttgcctgacc acctcacccc ctattccagc cttgttgac tccggaaact tgagtccct 120
 gntgtcctgg ttctccaac tctgggaact ttgctcncca ctcttaact nagngacttt 180
 gaacctnaat aaatcctggn cccactttt aaaaaa 216

<210> 1831
 <211> 359
 <212> DNA
 <213> Mus musculus

<400> 1831
 ggaggtcact gacaatgtca tccacancat ctctgatgct gttacccatg cggccaacgc 60
 ctgggatgac tgtngacagc tngcctgtct accagcatgg ntggcccttc ctgacggtna 120
 ntcagtagnng tgnnnngtgg ccgngtata tgaactgggc agttctcaga gctgccgcat 180
 ntgaagctat cctgcagtta tggatgcgac gagccagttt acttgacaat gtgtcctcat 240
 ttacattctt ctgtaaagaa aataagttca taggctatgt gtgtgtgtgt gtgtgtacac 300
 atatatatgt ntatcattgg taaaagaaaa ccnatgcctg aatctacact gtaaactctg 359

<210> 1832
 <211> 401
 <212> DNA
 <213> Mus musculus

<400> 1832
 ccacaggctc ggccaggcca gcatggtgga ccacctgctt ccagtggacg agaccttctc 60
 gtcaccgaaa tgctcagtggt gttacctagg ggacaggctg gccagccggc agccatacca 120
 catgttgccc tcgcccattc cggaggatga cagcagatgc tccagccctt gctcttggtg 180
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 gggcagcatc ttggatttcc tctgttccc ggccacactg ggcagtgggt gtggcagtggt 300
 aggtatttga gatagcagtg gccctgtgac ctggggatca tggaggagag ccttttgtgc 360
 cttntaaagg gaggaacatt cntgnttccc tgaatttctt g 401

<210> 1833
 <211> 402
 <212> DNA
 <213> Mus musculus

<400> 1833
 actgaggtaa ctggggccct catcttgttg tcatgaggag ttgtaacata ctcaagtggg 60
 aactcgagtt gaaacgctgg tgtcctggcc tcaaaactct ttcttatgtt ggcagccaca 120
 gagaactcaa agcaaagaga caggagtggg ccgagcccaa taacttccac atctgcatca 180
 cgtcctataa gcagttcttc aggggttaca ctgccttctc aagggtgcac tggaaatgcc 240
 ttgttgttga cgaaatgcag aggggtgaag gcatgactga gcggcactgg gaagccatct 300
 tcaagctgca gaggtctgac tgtaccaag tgttctgtct tcaaatctcc agctgttctt 360
 acctaaagat tcattaaaga aatttaaata attgcataca ta 402

<210> 1834
 <211> 240
 <212> DNA
 <213> Mus musculus

<400> 1834
 gaacctgggc ttacagttcc tcctacatga ccgagatctg atcagccaac ccgcgcattg 60

ctttttgtgc	ctngcactgc	agtnacagggg	ncnttttttat	tntccnanac	ttatnactca	120
natgntaccc	tttntgatg	ttcttttcgg	tnaaggaggc	catgtttttt	ggcaagggna	180
ccncnangna	gcactcgtac	tnattnancc	tgaagaaaca	cagtttatat	aaccgtagtg	240

<210> 1835
 <211> 335
 <212> DNA
 <213> Mus musculus

<400> 1835						
gaggttcctg	atgtgagagg	gtagcccccg	atcatgggag	gtgcttcagt	gogatggctg	60
tgactttccga	gccccatctt	acgaagatct	caaggcacac	atccaggatg	tccacacggc	120
gttctttacag	ccaactgatg	ttgccgagga	caatgatgac	gagccactat	ctgggtccat	180
gaatgctagt	aatcagacag	aggtggagtt	ctcttctata	aaggatgagt	ttgtgattgc	240
agaggattta	ccaggtcaaa	gtgcaactgc	attggggagc	ggaggttact	atggccacag	300
tccaggatat	tacggtcagc	atattacccc	taatc			335

<210> 1836
 <211> 266
 <212> DNA
 <213> Mus musculus

<400> 1836						
ggagaaataa	aaacagaaaag	atctccagaa	agaagccatg	gtaagattca	aggtttcaca	60
gtccaagcta	atgctgtgtg	acacttgacc	aagtgatctg	agaaaattgg	atttctggca	120
aaacaagtgt	acctagactc	aggcaagggg	ggagaacaga	gggcgactag	attaaatgga	180
aagaatgcc	aggcatccca	ttgcctccct	ttgacgttcc	agaacttcat	caagacagtg	240
atgagctaca	tgtacacctg	gaggag				266

<210> 1837
 <211> 238
 <212> DNA
 <213> Mus musculus

<400> 1837						
tgactatttc	cacgtgctn	ntttctccna	agggggcgtt	antaacctgc	ctctnaagag	60
tgccttcccc	catgntcct	tntctaaagt	cccctgcccg	gnccccccag	gggctctgcc	120
aaactgtntt	gccccattg	tnctaanaag	gacgtactg	ttggccgggt	tntgatagaa	180
cattatgtng	tcnnaggcaa	cnttgggggg	nnccccccan	aggacttttt	attaaaaa	238

<210> 1838
 <211> 281
 <212> DNA
 <213> Mus musculus

<400> 1838						
tataagtttg	gggtgaactt	cagggaccag	ncctnacaca	ccganggatg	ctccctcccc	60
ccagtcttgg	aggcaatctg	cacagagcca	gtctgcacac	cagagaccag	aggccgcagg	120
tcaagctccc	ggntgtntaa	nagggaggtc	tccagccttc	tgaattacac	gcaggacatg	180
acaggagatg	gaaacagaaa	tgatgaagta	natgatggga	atggcttctg	atattttaat	240
gccaaagctc	accctgaga	ccaaggacac	caggacgcgc	t		281

<210> 1839
 <211> 164
 <212> DNA
 <213> Mus musculus

<400> 1839

ccctgctgga	tgatccaac	ntggtcttta	nncttntggn	accntnctt	gtcaaacagg	60
atctgtggta	tagctcggnc	cncatnattt	taataccctn	tactacatca	cagtnangaa	120
atcaagnegc	tacgaatcnc	accttcgtta	acctcctagc	gtca		164

<210> 1840
 <211> 220
 <212> DNA
 <213> Mus musculus

<400> 1840						
ccctcccca	cctgaacctg	cttactcacg	ggtgnagctt	gccgctcaat	cagttctgcc	60
acagccact	gctggagctt	gccgctttgc	tgttngaag	ccatcacgtg	ttcacctgca	120
accttactcc	tagattattt	ggcggaatc	ggccccccc	ccttccttca	taacggagtg	180
ctggaatagt	aaaaattgaa	ccttgagcag	aaaaaaaaa			220

<210> 1841
 <211> 125
 <212> DNA
 <213> Mus musculus

<400> 1841						
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aaaaa						125

<210> 1842
 <211> 243
 <212> DNA
 <213> Mus musculus

<400> 1842						
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ataaaaaaga	caaccgagca	ataacaaaga	ctaataagct	aaatcaggct	ggagagattt	180
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ata						243

<210> 1843
 <211> 436
 <212> DNA
 <213> Mus musculus

<400> 1843						
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ccctatagtc	agaaaactgn	ccatctgcan	anntgagcga	naacangcag	cccctggang	120
tgggcagncc	agggcaggat	gcacancnt	nttgngatga	anggactang	aagggccctt	180
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ncngaaactt	ncctatcnng	cccnnecttc	aggncntgn	cgtccagtcc	agccagcccc	300
aggggcccct	cccagcccca	gggcagccct	gccagcccca	gcgggcccgc	ccgggtcagc	360
gtgcttggcc	ccatcgatca	cttctaggct	tgagacagcc	ctgccagccc	cggcgcccac	420
ttctgggccc	tggtca					436

<210> 1844
 <211> 199
 <212> DNA
 <213> Mus musculus

<400> 1844

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cccagcgccc	ggaagctttt	attcatgttt	acactgctgt	gagtagttat	aaataaataa	180
accaataaat	aatgctg					199

<210> 1845
 <211> 105
 <212> DNA
 <213> Mus musculus

<400> 1845						
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<210> 1846
 <211> 111
 <212> DNA
 <213> Mus musculus

<400> 1846						
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<210> 1847
 <211> 289
 <212> DNA
 <213> Mus musculus

<400> 1847						
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gcaacanccc	ctgccctgag	aactcnnhnc	ngaggngagg	gtgngangna	tgngggagnc	180
agtgagcctg	gatgttggct	gtgaacattt	tcccactgac	tgatcttcca	aaagttctga	240
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<210> 1848
 <211> 257
 <212> DNA
 <213> Mus musculus

<400> 1848						
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tacttcttca	gattggatgg	gtctgtgaaa	tacagttttc	agaagtcaat	gctatctgag	180
ctngtgatag	ctntgactga	gggccctaac	atccaagnca	catntaccct	ggggtntggc	240
aattctacca	aactgct					257